# PONY

# ICT

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First Term

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# Unit 1

# The Role of Technology in Our Lives

## Unit Lessons:


Lesson 1 Computer Networks

Lesson 2 Future Technology

Lesson 3 Advanced Technology for People with Special Needs

Lesson 4 Digital Search Tools

Lesson 5 How Operating Systems Work

Lesson 6 I'm a Web Designer


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# Lesson 1 Computer Networks

## Computer Newtorks شبكات الكمبيوتر

- They are groups of computer devices that are connected to each other to communicate and share information.
- هي مجموعة من أجهزة الكمبيوتر المرتبطة ببعضها لكي تتواصل وتتشارك المعلومات.

- There are two types of computer networks:

| 1 Wired Networks | 2 Wireless Networks |
|---|---|
| • They connect devices via cables or wires. | • They connect devices via wireless or Wi-Fi. |
| • تقوم بتوصيل الأجهزة عبر الكابلات أو الأسلاك. | • تقوم بتوصيل الأجهزة عبر اللاسلكي أو Wi-Fi. |

## Network Components مكونات الشبكة

### 1 Modem المُودم

1. It connects the internet in your home.
2. It converts and transforms the signal from the internet service provider (ISP) into a digital signal.

Signal From ISP → Modem → Digital Signal

1. هو يُوصِّل الإنترنت بمنزلك.
2. فهو يستخدم لتحويل الإشارة المستقبلة من مزود الخدمة (ISP) إلى إشارة رقمية.

### 2 Router الراوتر

1. It is a device that provides the Internet throughout the home.
2. It sends data between the devices in the home.
3. It connects devices using wires or wireless (Wi-Fi).

1. هو جهاز يوفر الإنترنت في جميع أنحاء المنزل.
2. يرسل البيانات بين الأجهزة في المنزل.
3. يربط الأجهزة باستخدام الأسلاك أو اللاسلكي (Wi-Fi).

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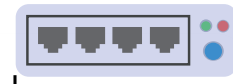
## ③ Switches المُحولات



- They send data to a specific device over a network, which makes connections easier and faster.
- Switches are intelligent devices.

- يمكنها إرسال بيانات إلى جهاز مُعيَّن عبر شبكة؛ وذلك يساعد في تيسير التواصل وإسراعه.
- المحولات أجهزة ذكية.

## ④ Cables and Ports الأسلاك والمنافذ

- Some devices connect to the Internet through wires (etherent cables).
- These wires plugged into holes, called ports.

- بعض الأجهزة تتصل بالإنترنت من خلال أسلاك خاصة.
- هذه الأسلاك تدخل في فتحات تسمى منافذ.

## ⑤ Local Area Network (LAN) الشبكة المحلية

- LAN connects devices via cables is a type of wired network.
- **Example:** School computer Lab.

- تعتبر الشبكة المحلية المتصلة بكابل توصيل بين أجهزة الكمبيوتر من أنواع الشبكات السلكية.
- **مثل:** شبكة أجهزة الكمبيوتر بمعمل المدرسة.

## How does the Internet Work? كيف تعمل شبكة الإنترنت؟

- When you want to watch a video on the Internet, the following steps occur:

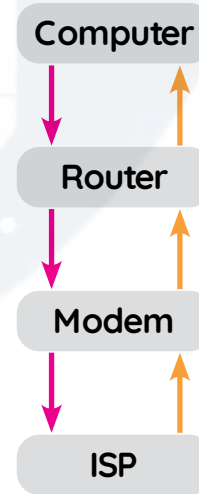
**Step 1:** Your device (computer or mobile) requests the video from the Internet.

**Step 2:** This request goes to the Router.

**Step 3:** The request moves from the Router to the Modem which connects to ISP.

**Step 4:** ISP sends the video to the Modem.

**Step 5:** The Router receives the signal and sends it to your device to display the video.



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**Remember:**

» The internet service profider (ISP): a company that provides you with Internet service.

• **هي الشركة التي تزودك بخدمة الإنترنت ISP.**

• عندما تريد مشاهدة فيديو على الإنترنت، تحدث هذه الخطوات:

1. يطلب جهازك (الكمبيوتر أو الموبايل) الفيديو من الإنترنت.
2. يذهب هذا الطلب إلى الراوتر.
3. ومن الراوتر إلى المودم، الذي يتصل بمزود الخدمة (الشركة التي تعطيك وتزودك بخدمة الإنترنت).
4. يُرسل مزود الخدمة ISP الفيديو إلى المودم.
5. يستقبل الراوتر الإشارة، ويرسلها إلى جهازك ليعرض الفيديو.

## Artificial Intelligence (AI) الذكاء الاصطناعي

### Artificial Intelligence (AI)

• It is a comprehensive term for computer applications that perform complex tasks that simulate humans.

• الذكاء الاصطناعي: مصطلح شامل لتطبيقات كمبيوترية تؤدي مهام معقدة تحاكي بها البشر.

### Applications of AI: تطبيقات الذكاء الاصطناعي

1. The ability to learn and deduce.
2. Writing an article on a topic.
3. Imitate sounds.
4. Create video.
5. Predict the faults that may occur in networks.

1. القدرة على التعلم والاستنتاج.
2. كتابة مقال حول موضوع ما.
3. تقليد الأصوات.
4. إنتاج مقاطع فيديو.
5. التنبؤ بالأعطال المحتملة في الشبكات.

### أهم الكلمات والمصطلحات

| | | | | | |
|---|---|---|---|---|---|
| Internet Service Provider (ISP) | مزود خدمة الإنترنت | Human element | عنصر بشري | Wireless networks | شبكات لاسلكية |
| Specific device | جهاز محدد | Signal | إشارة | Purpose | غرض |
| Wired networks | شبكات سلكية | Common | شائع أو مشترك | Complex | معقد |
| Comprehensive | شامل | Sequence | تسلسل | Simulate | يحاكي |
| Machine | آلة | Imitate | يقلد | | |

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# Exercises on Lesson 1

## 1 Choose the correct answer:

1 ..... is/are a group of computer devices that are connected to each other for a common purpose. (الإسكندرية – منتزه ثانٍ 2024)

a. Devices b. Networks c. Routers d. Software

2 A school computer lab is an example of a ..... .

a. service provider b. LAN

c. Wi-Fi connection d. Global netweork

3 ..... is a comprehensive term for computer application that perform complex tasks that simulate human thinking and performance.

a. Artificial intelligence b. Application

c. Modern d. Router (قنا – نجع حمادي 2025)

4 ..... networks connect devices using Wi-Fi. (الجيزة – حدائق أكتوبر 2025)

a. Wired b. Wireless c. Software d. Both a and b

5 Through ..... you can transfer data with wires and cables.

a. wireless networks b. Wi-Fi

c. wired networks d. email (الإسكندرية – برج العرب 2024)

6 A router connects devices through ..... .

a. Wi-Fi b. cables

c. USB d. both a and b

7 Wireless networks are also known as ..... .

a. LAN b. Wi-Fi c. modem d. switch

8 The abbreviation of artificial intelligence is .....

a. AR b. ALT c. IA d. AI (دمياط 2024)

9 The modem converts the signals from the ..... into a digital signal.

a. device b. LAN c. ISP d. Wi-Fi



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10 A network that is connected without wiring is named ..... .
a. physical wiring b. wireless c. ports d. cables
(الإسكندرية – شرق 2024)

11 Cables and wires in wired networks are plugged into holes called ..... .
(القاهرة – الزيتون 2025) ( أسيوط 2025) (أبناؤنا في الخارج 2024)
a. ports b. Wi-Fi c. switches d. modems

12 ..... are intelligent devices that send data to a specific device over a network.
(البحيرة – دمنهور 2024)
a. Switches b. Hubs c. Modems d. Cables

13 Artificial Intelligence can ..... .
a. write an article b. create a video
c. predict faults in networks d. all of them

14 A ..... converts the signal from the internet service provider (ISP) into a digital signal.
(الإسكندرية – العجمي 2025) (القليوبية 2025) (الغربية 2024)
a. modem b. router c. switch d. scanner

15 In networks, a LAN stands for ..... .
a. Long Area Network b. Local Area Network
c. Large Area Network d. Linked Area Network

16 When a user requests a video from the Internet, the request first goes to the ..... .
a. modem b. router
c. ISP d. digital signal

17 Wired networks connect devices using ..... .
a. Wi-Fi b. wires c. cables d. both b and c

18 ..... is a technology that help imitate the sound of an actual human being.
(القاهرة – الزيتون 2025)
a. Artificial intelligence b. speaker
c. Bluetooth d. Assistive technology

19 The Internet service provider is Known by the abbreviation ..... .
a. GPS b. USB c. ISP d. GRP (أسيوط 2025)

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## 2 Put (✓) or (✗):

1 A computer doesn't need network connection devices to transfer data. ( ) (القليوبية 2024)

2 Devices can be connected without wiring (wireless or Wi-Fi). ( ) (دمياط 2024) (الإسكندرية – وسط 2024)

3 Wireless networks connect devices with physical wiring and cables. ( )

4 A modem connects devices inside a LAN. ( )

5 The modem is the device that connects to the service provider (ISP). ( )

6 Ports are special wires that connect devices to the Internet. ( )

7 AI can be used for writing an articale about a topic. ( )

8 A modem converts the signal from the ISP into a digital signal that can be read by devices. ( ) (الشرقية – ديرب نجم 2025)

9 Artificial intelligence can imitate the sounds of people. ( ) (الشرقية – الإبراهيمية 2025)

10 A modem sends data to a specific device over a network. ( ) (القاهرة – المرج 2025) (الإسكندرية – المنتزة أول 2025) (الجيزة – الشيخ زايد 2024)

11 When a computer requests a video from YouTube, the request first goes to the Modem. ( )

12 Wireless networks are connected by Wi-Fi. ( ) (الإسكندرية – شرق 2025)

13 Switches send data to a device over a network to make connections easier. ( ) (الإسكندرية – المنتزة أول 2025)

14 The Router only uses Wi-Fi to distribute the Internet inside the house. ( )

15 Artificial intelligence is doing a complex task that simulates the performance and thinking of human. ( ) (القاهرة – الزيتون 2025)

## 3 Complete the missing parts using the words between the brackets:

(ISP – ports – specific – modem – AI)

1 ..... works to imitate sounds when provided with the tone of voice of an actual being. (طنطا – شرق 2025) (طلخا 2025) (الدقهلية 2025)



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2 Switches send data to a(an) ..... device on the network.

3 In wired networks, cables and wires are plugged into .....

4 Internet service provider is abbreviated as ..... (القاهرة – غمرة 2025)

5 A ..... converts the signal from the (ISP) into a digital signal.

(الجيزة – الدقي 2025) (الإسماعيلية 2024)

## 4 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 AI | a. A device that provides the internet throughout the home. |
| 2 A router | b. are groups of devices or things that are connected together. |
| 3 A switch | c. is a hole on devices where cables are plugged in. |
| 4 Networks | d. computer applications that simulate the thinking and performance of people. |
| 5 A port | e. is an intelligent device that send data to a specific device on the network. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

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# Play with PONY

Help the Robot to find the suitable device.

(Modem - Router - Switch)

Internet

3 .....

ISP

signal

Digital signal

1 .....

2 .....

1 ..... converts the signal from ISP into a digital signal.

2 ..... is a device that provides the Internet throughout the home.

3 ..... sends data to a specific device over a network.

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# Lesson 2 Future Technology

## Future Technology such as:

❶ Augmented reality. ❷ Virtual Reality. ❸ Artificial intelligence.

• **التكنولوجية المستقبلية مثل:** الواقع المُعزَّز والواقع الافتراضي والذكاء الاصطناعي.

## Virtual Reality (VR) الواقع الافتراضي

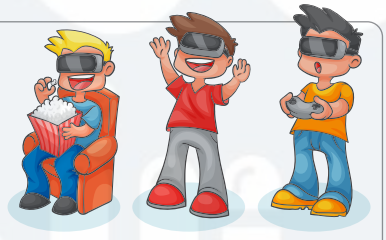
### Virtual reality (VR)

- A virtual 3D environment that allows users to explore and interact with the surroundings as if they were in reality.
- To experience VR, users often wear a VR headset.

• **الواقع الافتراضي:** بيئة تخيلية ثلاثية الأبعاد تسمح للمُستخدِمين باستكشاف محيطهم والتفاعُل معه وكأنَّه حقيقة.

• لتجربة الواقع الافتراضي، يرتدي المستخدمين «سماعة رأس VR».

### Applications of VR تطبيقات الواقع الافتراضي



❶ You can visit far museums virtually.

❷ You can play video games that make you feel like flying a plane or travelling in space.

❶ يمكن من خلاله أن تزور المتاحف البعيدة افتراضيًّا.

❷ يمكنك لعب ألعاب الفيديو التي تجعلك تشعر وكأنك تقود طائرة أو تسافر في الفضاء.

## Augmented Reality (AR) الواقع المعزز

- Imagine looking into your living room through your phone screen, and suddenly you see a dinosaur standing next to your seat, this is AR.

• تخيل أنك تنظر لى غرفة المعيشة في منزلك من خلال شاشة الهاتف، وفجأة ترى يناصورًا صغيرًا يقف بجوار مقعدك، هذا هو الواقع المعزز.

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## Augmented Reality (AR)

- It combines the real world with the virtual world by displaying a 3-D models look like the real world.
- The digital world adds new things in our real world.

- يجمع الواقع المُعزز بين العالم الحقيقي والواقع الافتراضي بعرض نماذج ثلاثية الأبعاد لتشبه العالم الحقيقي.
- ويضيف العالم الرقمي أشياء جديدة إلى عالمنا الحقيقي.

### Applications of AR: تطبيقات الواقع المعزز

- A phone games that place cartoon characters in the real places around you.

- ألعاب الهاتف التي تضع شخصيات كرتونية في الأماكن الحقيقية التي أنت فيها.

## Artificial Intelligence (AI)

### Artificial Intelligence (AI)

- It is the ability of a machine, such as a computer, to think, learn, and deduce.
- A computer learns by analyzing the provided information.

- الذكاء الاصطناعي: هو قدرة آلة مثل الكمبيوتر على التفكير والتعلُّم والاستنتاج.
- يتعلم الكمبيوتر من خلال تحليل المعلومات المتوفرة له.



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## Applications of AI:

1. It predicts the word you will write from the words you have written previously.
2. AI is used to unlock your phone with facial recognition.
3. Robots that can manufacture products in factories.

**أمثلة على الذكاء الاصطناعي:**

1. يتنبأ بالكلمة التالية التي ستكتبها؛ حيث يتعلَّم من الكلمات التي كتبتها سابقًا.
2. يُستخدم الذكاء الاصطناعي لإلغاء القفل وفتح هاتفك من خلال نظام التعرُّف على الأوجه.
3. الروبوتات التي تستطيع أن تصنع أشياء في المصانع.

## How Advanced Technology Help Us?
## كيف تساعدنا التكنولوجيا المتقدمة؟

- These technologies make our lives easier and more fun.
- It helps people of determination in their daily tasks.

- تساعدنا هذه التقنيات في جعل حياتنا أسهل وأكثر متعة.
- كما تساعد الأشخاص ذووي الاحتياجات الخاصة في العديد من مهامهم اليومية.

| أهم الكلمات والمصطلحات | | | |
|---|---|---|---|
| Immerse | ينغمس | Augmented reality | الواقع المُعزَّز |
| Facial recognition | التعرُّف على الوجه | Virtual reality | الواقع التخيلي (الافتراضي) |
| Headset | سماعة الرأس | Interact | يتفاعل |
| To experience VR | لتجربة VR | Combine | يجمع |
| Flat | مسطح أو مستوٍ | Ability | قدرة |
| Predict | يتوقع | Surrounding | البيئة المحيطة |
| Deduce | يستنتج | Participant | مشارك |
| Future Technology | التكنولوجيا المستقبلية | Surface | سطح |

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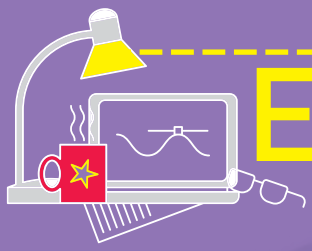

# Exercises on Lesson 2

## 1 Choose the correct answer:

1 ..... are examples of futuristic technology.

a. Virtual reality (VR)
b. Augmented reality (AR)
c. Artificial intelligence (AI)
d. All of them

2 ..... combines the real world with a virtual world by adding images using computers. (الجيزة – جنوب الجيزة 2025) (أسيوط 2024)

a. Virtual reality
b. Augmented reality
c. Assistive technology
d. Artificial intelligence

3 ..... is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality. (القاهرة الجديدة 2024)

a. Virtual reality
b. Artificial intelligence
c. Assistive technology
d. Augmented reality

4 The ability of the computer to think, learn, and deduce is ..... .

a. virtual reality(VR)
b. augmented reality(AR)
c. artificial intelligence(AI)
d. none of them (الإسكندرية – وسط 2025)

5 Viewing virtual 3D characters placed into real world via a phone screen is an example of ..... .

a. virtual reality (VR)
b. Augmented Reality (AR)
c. Artificial Intelligence (AI)
d. Network devices

6 To experience virtual reality, users often wear ..... .

a. 3D glasses
b. smart gloves
c. AR headsets
d. VR headsets (الجيزة – حدائق أكتوبر 2025)

7 Augmented reality mixes the real world with a ..... world.

a. View
b. True
c. Virtual
d. Non of them (طنطا – شرق 2025)



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8 Augmented reality shows a/an ..... model of what looks like the real world.

a. 2-D b. 3-D c. 4-D d. invisible

9 Users often wear ..... that block(s) out the real world.

a. a mobile b. Wi-Fi c. a mouse d. VR headsets

(القاهرة – عين شمس 2024)

10 Common applications of VR is in ..... .

a. games b. writing

c. networking d. all of them

11 ..... technology is used to unlock the phone using the face recognition system. (أسيوط 2025)

a. Assistive technology b. Artificial Intelligence

c. Virtual reality d. Transformers

12 Advanced technologies like AR, VR, and AI mainly aim to ..... .

a. replace all human work b. improve our lives

c. increase network security d. produce old products

13 AI learns by ..... available examples.

a. analyzing b. storing c. saving d. ignoring

14 ..... predicts the word you will write from words you have written previously.

a. VR b. AR c. AI d. IR

15 All applications include ..... .

a. the ability to learn b. predicting computer faults

c. unlock your phone d. all of them

16 ..... Is the ability of the computer to think, learn and deduce.

a. AI b. VR

c. AR d. Non of them (المنوفية – شبين الكوم 2025)

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## 2 Put (✓) or (✗):

1 A computer learns by analyzing available examples. ( )

2 AR, VR, and AI are considered futuristic technologies. ( )

3 Virtual reality (VR) is a virtual 3-D environment. (المنوفية – تلا 2024) ( )

4 To experience virtual reality, users often wear AR headsets. ( )

5 Artificial intelligence (AI) is the computer's ability to think, learn, and deduce. (الجيزة – جنوب الجيزة 2025) (المنوفية – تلا 2024) (الدقهلية 2024) ( )

6 Using VR, you can visit far museums virtually. ( )

7 There is no difference between augmented reality and virtual reality. (الجيزة – حدائق أكتوبر 2025) (أسيوط 2024) ( )

8 Virtual reality combines the real world with a virtual world by displaying 3D models look like reality. (الجيزة – العمرانية 2025) (الإسكندرية – وسط 2024) ( )

9 Robots that can manufacture products in factories are from VR applications. ( )

10 Future technology can improve daily life. (أسوان 2024) ( )

11 Users often wear AR headsets that block out the real world. ( )
(الإسكندرية – منتزه أول 2024)

12 VR headsets allow users to see the real world while using them.( )

13 Augmented reality can be done through mobiles and tablets. ( )
(القاهرة – عين شمس 2024)

14 AI can predict words based on previous writing. ( )

15 Virtual reality can show a 3-D model of what the real world looks like. (الإسكندرية – وسط 2024) ( )

16 A phone games that place a 3D character in a real place is an example of VR. ( )

17 Futuristic technologies can't help people with disabilities. ( )



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18 AI is used to unlock your phone with facial recognition. ( )

19 An AR app can show you new furniture will look in your house.

(الإسكندرية – المنتزة أول 2025) ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 VR | a. includes AI, AR, and VR. |
| 2 AR | b. it is the ability of a computer to think, learn, and deduce. |
| 3 AI | c. they are application of using AI. |
| 4 Robots | d. it is a virtual 3-D environment that allows users to interact with the surroundings, as if it were reality. |
| 5 Future technlogy | e. it mixes of real world with virtual world. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

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# Test Yourself on Lessons 1&2

## 1 Choose the correct answer:

1 An example of an AI task is ..... .
a. drinking coffee b. driving a car
c. writing an article d. playing a sport

2 VR creates ..... .
a. virtual world b. real photos
c.simple text d. paper copy

3 The main types of computer networks is/are ..... .
a. wired b. wireless c. satellite d. both a and b

4 Wired networks use physical wiring and cables which are plugged into ..... on devices. (الشرقية – ديرب نجم 2025)
a. ports b. modem c. router d. keys

5 You can use headset to experience ..... .
a. AR b. VR c. AI d. ISP

6 The abbreviation of artificial intelligence is ..... . (دمياط 2024)
a. ALT b. IA c. AI d. ARI

7 LAN is considered as computers connected together with cables in a ..... network.
a. Wired b. Wireless c. Wide range d. Wi-Fi
(القاهرة – الزيتون 2025)

## 2 Put (✓) or (✗):

1 Switches don't send data to specific devices. (الإسكندرية – منتزه أول 2024) ( )

2 A computer network connects computers to each other to share information (أسيوط 2024) (السويس 2024) ( )

3 ISPs provide signals that modems convert into digital signals. ( )

4 AR competely replaces the real world. ( )

5 Devices can be connected without wiring (wireless or Wi-Fi). ( )
(الجيزة – الدقي 2025)

6 You can't visit far museums virtually using VR. ( )

7 AI can create videos and mimic sounds. ( )

8 Cables in wireless networks are plugged into holes called ports. ( )



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# Play with PONY

Follow the correct answer to win the golden cup.

A virtual 3D environment that allows user to explore and interact with surroundings

AI

VR

It is used to unlock your phone with facial recognition.

VR

VR

AI

AR

It combines the real world with a virtual world by adding images using computers.

AR

It is the ability of machine to learn , think and deduce.

AR

AI

AI

VR

Virtual assistants use this technology to supports disabled people

AR

AI

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# Lesson 3 Advaned Technology for People with Special Needs

- When we think about technology, we should imagine how everyone will use it.
- One of the most important goals of **assistive technology** is to:
  1. Improve independence of indivisiuals.
  2. Improve the lives of people of determination.

- عندما تفكر في التكنولوجيا، يجب أن نتخيل كيف سيستخدمها الجميع.
- فمن أهم أهداف التكنولوجيا المساعدة تحسين استقلالية الأفراد، وتحسين حياة ذوي الاحتياجات الخاصة.

**Example:**

1. Smartphones have the option to enlarge text or use voice commands to help people with poor vision or those who have difficulty using their hands.
2. Laptops with a **Braille terminal** help **blind** people read and write easily.

- **مثال:** 1 الهواتف الذكية لديها خيار لتكبير الخط أو استخدام الأوامر الصوتية لمساعدة الأشخاص ضعاف البصر أو الذين يواجهون صعوبة في استخدام أيديهم.
  2 أجهزة الكمبيوتر المحمولة التي تحتوي على لوحة مفاتيح برايل لتساعد المكفوفين على القراءة والكتابة بسهولة.

## User Experiences (UX)

### Technology User Experience

- It describes how people **use** and **interact** with advanced technological devices.
- User experience can be **positive** or **negative**.

- تجربة المُستخدِم تصف كيفية استخدام الأشخاص للأجهزة التكنولوجية المتطورة والتفاعل معها.
- تجربة المُستخدِم يمكن أن تكون إيجابية أو سلبية.



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## Think about a smart home robot and see how we can evaluate it.

لنفكر في الروبوت المنزلي الذكي، ولنر كيف يمكن تقييم هذا الروبوت.

| | |
|---|---|
| ❶ Useful and easy to use<br>مفيد وسهل الاستخدام | • It helps clean floors automatically.<br>• يساعد في تنظيف الأرضيات تلقائيًا. |
| ❷ Desirable<br>مرغوب فيها | • It save time and effort.<br>• يوفر الوقت والجهد. |
| ❸ Accessible<br>سهل الوصول إليها | • It can be used by the elderly or people with movement difficulty.<br>• يمكن استخدامه من قبل كبار السن أو الأشخاص الذين يجدون صعوبة في الحركة. |
| ❹ Can be developed<br>يمكن تطويره | • To become smaller, reach diffcult places, or add a camera for remote control.<br>• ليصبح أصغر حجمًا ويستطيع الوصول إلى الأماكن الصعبة، أو إضافة كاميرا لمساعدة المستخدم على توجيهه عند بُعد. |
| ❺ Limitations<br>القيود | • Robot price may be high.<br>• It may not clean corners or stairs.<br>• It might fail with small objects on the floor.<br>• الروبوت قد يكون سعره مرتفعًا، وقد لا يستطيع تنظيف الزوايا الصعبة أو السلم، وربما لا يستطيع التعامل مع الأشياء الصغيرة التي تقع على الأرض. |

In this way... you can evaluate the device and decide whether the user experience is positive or negative.

بهذه الطريقة، يمكنك تقييم الجهاز وتحديد ما إذا كانت تجربة المستخدم إيجابية أم سلبية.

### أهم الكلمات والمصطلحات

| | | | | | |
|---|---|---|---|---|---|
| Cutting-edge technology | تكنولوجيا حديثة متطورة | Assistive technology | التكنولوجيا المساعدة | Improve | يُحسِّن - يُطوِّر |
| Service | خدمة | Desirable | مرغوب فيه | Trustworthy | جدير بالثقة |
| Product | منتج | Independence | استقلالية | Development | تطوير |
| Accessible | سهل الوصول إليه | Evaluate | يُقيم | Interact | يتفاعل مع |
| Individuals | الأفراد | Enlarge | يكبر | | |

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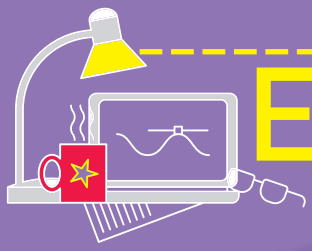

# Exercises on Lesson 3

## 1 Choose the correct answer:

1 Advanced technology primarily aims to improve user ..... .

a. cost
b. network speed
c. independence
d. security features

2 ..... technology improves the lives of people with disabilities.

a. Assistive
b. Old
c. Traditional
d. complex (أسيوط 2024)

3 Smartphones offer larget text size options to aid individuals who suffer from ..... .

a. hearing loss
b. speech difficulty
c. low vision
d. hand tremor

4 Braille terminal help users perform the tasks of ..... .

a. reading
b. writing
c. speaking
d. both a and b

5 ..... describe how people use the product and interact with it and how to evaluate their experience.

a. User experiences
b. Meeting need
c. Both a and b
d. None of them (الإسكندرية – المنتزه أول 2025)

6 When evaluating a dvanced technology, if it saves time and effort, it is considered ..... .

a. not useful
b. desirable
c. expensive
d. complex

7 Braille is used mainly by ..... .

a. blind
b. deaf
c. programmers
d. designers

8 A camera in a home robot can be used for ..... .

a. remote control
b. charging the battery
c. play music
d. none of them



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9 Smartphones help people with poor vision by ..... .

a. enlarging text b. playing music

c. charging faster d. none of them

10 If the product is practical and meets customer needs, the user experience will be ..... .

a. positive b. negative

c. neutral d. expensive

11 Complicated and hard-to-use products result in ..... user experiences.

a. positive b. negative c. neutral d. cheap

## 2 Put (✓) or (✗):

1 Home robot cleans floors automatically, so it is useful and easy to use. ( )

2 Smartphones can support blind people by enlarging text. ( )

3 User experience is always positive. (الجيزة – حدائق أكتوبر 2025) ( )

4 Voice commands in smartphones support people with hand difficulties. ( )

5 Braille keyboard is used mainly by deaf people. ( )

6 User experience describes how people use and interact with a product. (الإسكندرية – برج العرب 2024) ( )

7 If the device can be used by people with special needs, the device is accessible. ( )

8 One of the main goals of assistive technology is to improve a person's independence. (الجيزة – 6 أكتوبر 2025) ( )

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# Play with PONY

Choose (true) or (false) in the following sentences.

1. Braille terminal help non-verbal people to read & write.
   ✓ ✗

2. UX describes how people use and interact with advanced devices.
   ✓ ✗

3. User experience is unrelated with product development.
   ✓ ✗

4. User experience is always positive.
   ✓ ✗

5. Desirable means saving time and effort.
   ✓ ✗

6. Accessible means that it can be used by elderly or people with movement difficulty.
   ✓ ✗

7. Useful and easy to use product means the product difficult to use.
   ✓ ✗

8. The option to enlarge text is used to help people with poor vision.
   ✓ ✗

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# Lesson 4 Digital Search Tools

## Some Digital Search Tools بعض أدوات البحث الرقمي

» When you want to search for information, you should choose the appropriate tool. For example, if you want a book, you go to the library, not a toy store.

• عندما تريد أن تبحث عن معلومة، يجب أن تختار الأداة المناسبة. على سبيل المثال، إذا كنت تريد كتابًا، تذهب إلى المكتبة وليس إلى متجر ألعاب.

### ❶ The Egyptian Knowledge Bank (EKB):

- It's a very large public database.
- It is a digital library containing all kinds of useful information.

Egyptian Knowledge Bank
بنك المعرفة المصري

• **بنك المعرفة المصري:** هو قاعدة بيانات عامة كبيرة جدًا مثل مكتبة رقمية، بها كل أنواع المعلومات المفيدة.

### ❷ Internet Search (Search Engines):

- An example of a search engine is Google search.
- It is like searching the whole world at once.
- Be careful; it may give you unreliable information.

• **البحث عبر الإنترنت:** مثل البحث عبر جوجل. وهو يشبه البحث في كل العالم في نفس الوقت، لكن كن حذرًا؛ فقد يعطيك معلومات غير مؤكدة.

### ❸ Searching Within a Database:

- You can use keywords in your search.

• **البحث داخل قاعدة البيانات:** يمكنك استخدام الكلمات المفتاحية في البحث.

### ❹ The Alexandria Library Catalog:

- It helps you find books and resources available in the Library of Alexandria.

• **فهرس مكتبة الإسكندرية:** يساعدك على العثور على الكتب والمصادر الموجودة في مكتبة الإسكندرية نفسها.

**Database**

It contains a lot of information, like a very organized library, where each piece of information has a specific place that makes it easy to access.

• قاعدة البيانات: تحتوي على الكثير من المعلومات، مثل مكتبة كبيرة ومنظمة؛ حيث يكون لكل معلومة مكان محدد يجعل الوصول إليها سهلًا.



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## Library catalog

It is a **database** that includes all the items owned by a library.

• **فهرس المكتبة:** هو قاعدة بيانات تضم كل المصادر والعناصر التي تحتويها المكتبة.

## Useful Keyboard Shortcuts for Research
## اختصارات لوحة المفاتيح المفيدة أثناء البحث

| Command | Shortcut | Function |
|---|---|---|
| Copy | Ctrl + C | • It's used to make a **copy** of the selected item.<br>Select item → Press Ctrl + C<br>• إذا أردت أن تأخذ نسخة من شيء ما، قم بتحديده ثم اضغط على مفتاحَي Ctrl + C معًا. |
| Cut | Ctrl + X | • It's used to **move** the selected item from its original place.<br>Select item → Press Ctrl + X<br>• إذا أردت أن تنقل شيئًا من مكانه الأصلي، قم بتحديده ثم اضغط على مفتاحَي Ctrl + X معًا. |
| Paste | Ctrl + V | • It's used to place the copied or cut item in a new place.<br>• After copying or cutting → Press Ctrl + V<br>• بعد أن تنسخ أو تقص شيئًا، يمكنك أن تضعه في مكان جديد بالضغط على مفتاحَي Ctrl + V معًا. |

» **Note:** Copy, Cut, and Paste are some of the most commonly used commands in word processing programs.

• تُعد أوامر النسخ والقص واللصق من أكثر الأوامر استخدامًا في برامج معالجة النصوص.

### أهم الكلمات والمصطلحات

| | | | |
|---|---|---|---|
| User-friendly | سهلة الاستخدام | Library catalog | فهرس المكتبة |
| Evaluation | تقييم | Online libraries | مكتبات إلكترونية |
| Appropriate | مناسب | Commands | أوامر |



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# Exercises on Lesson 1

## 1 Choose the correct answer:

1 The most important (common) command(s) used in word processing programs is/are ..... . (القاهرة – غمرة 2025)

a. Copy b. Cut c. Paste d. all of them

2 EKB is a type of ..... .

a. database b. search engine
c. library catalog d. none of them

3 Internet search engines may provide ..... information.

a. reliable b. unreliable c. both a and b d. none of them

4 To add copied content to another place, use the ..... command.

a. Cut b. Copy c. Paste d. Del

(أبناؤنا في الخارج 2024)

5 A database is a very large, organized library containing lots of ..... .

a. secrets b. hardware c. information d. entertainment

6 ..... is a database that includes all the items owned by a library.

a. The EKB b. A search engine
c. A library catalog d. A keyword (الإسكندرية – وسط 2025)

7 To copy a text or image, use the shortcut ..... .

a. Ctrl + C b. Ctrl + X c. Ctrl + V d. Ctrl + P

8 When you search online, make sure the results you get are ..... .

a. reliable b. accurate
c. biased d. both a and b (الجيزة – حدائق أكتوبر 2025)

9 To move content from one place to another, use the ..... command.

a. Copy b. Del c. Cut d. Paste

(أبناؤنا في الخارج 2025)

10 To paste a text or image, use the shortcut ..... .

a. Ctrl + X b. Ctrl + V c. Ctrl + P d. Ctrl + A



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11 You can use ..... to move a text or image to another palce.

a. Ctrl + V  b. Ctrl + C  c. Ctrl + X  d. Ctrl + Z

## 2 Put (✓) or (✗):

1 Copy, Cut, and Paste are word processing commands. ( )

(الجيزة – حدائق أكتوبر 2025) (السويس 2024)

2 A database is a large set of information that is highly organized. ( )

3 The library catalog is a type of search engines. ( )

4 Ctrl + C removes the text from the document. ( )

5 To repeat a statement in a word processing file, choose copy and paste text. ( )

(الإسكندرية – المنتزه ثانٍ 2025)

6 The Egyptian Knowledge Bank (EKB) is a database primarily for games and entertainment. ( )

7 Google is a reliable database. ( )

8 A library catalog is a database that includes all the items and sources owned by a library. ( )

(دمياط 2024) (المنوفية – شبين الكوم 2025)

9 The Egyptian Knowledge Bank (EKB) is an untrusted source of information. ( )

(الإسكندرية – وسط 2024)

10 You can press "Ctrl + C" to cut a text or an image in Windows. ( )

(الشرقية – الإبراهيمية 2025)

11 After cutting or copying an item, you can place it in a new location using the Ctrl + V shortcut. ( )

12 The Library of Alexandria Catalog is based on a database. ( )

(الإسماعيلية 2024)

13 The Egyptian Knowledge Bank (EKB) is an example of a private database for all Egyptians. ( )

(القاهرة – غمرة 2025)



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## 3 Complete the following sentences using the words between the brackets:

(library catalog – search engine – keywords – Databases – EKB)

1. A ....., such as Google search, may give unreliable results.
2. The ..... is an example of a public database that covers many subjects.
3. It is preferable to use ..... to search for information on a database.
4. ..... are collections of information, like a very large, organized library. (الدقهلية 2025) (البحيرة – دمنهور 2024)
5. A ..... is a database that includes all the items owned by a library. (بورسعيد 2025) (الجيزة – الشيخ زايد 2024)

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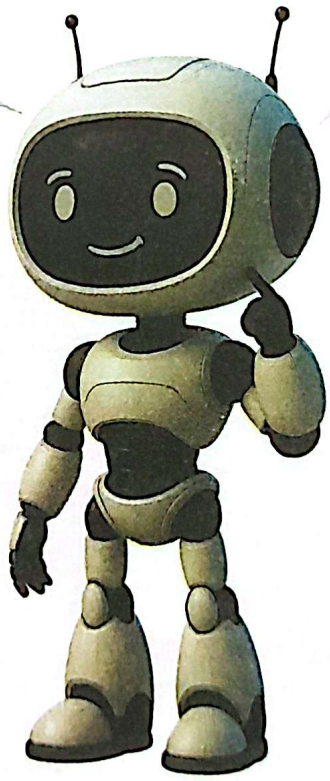
# Play with PONY

## Guess what are they?

They are collection of information that are stored in a computer.

Egyptian Knowledge Bank (EKB) is considered an example on it



You need to use Keywords to search on it

.....

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# Test Yourself on Lessons 3&4

## 1 Choose the correct answer:

1 ..... helps people of determination.
a. User experience b. Assistive technology
c. Virtual reality d. A screen (القاهرة – عين شمس 2024)

2 A computer with a Braille keyboard helps ..... people read and write.
a. deaf b. blind c. elderly d. none of them

3 You can search for information in a database using ..... .
a. passwords b. keywords
c. long sentences d. specialized software

4 A database is considered a very large and highly ..... library of information.
a. expensive b. difficult c. organized d. none of them

5 Use the shortcut ..... to duplicate a text or an image.
a. Ctrl + C b. Ctrl + X c. Ctrl + V d. Ctrl + P

6 The user experience can be ..... .
a. positive b. negative
c. both a and b d. none of them

7 You can paste an item you have cut or copied using ..... .
a. Ctrl + A b. Ctrl + X c. Ctrl + Z d. Ctrl + V

## 2 Put (✓) or (✗):

1 A library catalog is a database containing books in a library. ( )
2 To move an item, use the Ctrl + C shortcut. ( )
3 Internet search always gives reliable results. ( )
4 The EKB is a public database for Egyptians. ( )
5 The cut, copy, and paste commands are used in text processing. ( )
6 Text enlargement helps users with low vision. ( )
7 Assistive technology improves the lives of people of determination. (القاهرة – غمرة 2025) ( )
8 A home robot helps improve our lives. ( )



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# Lesson 5 How Operating Systems Work

## Operating System (OS)

- It is the main software that manages the hardware and software.
- It also controls the computer's functions and how you interact with the screen, mouse, and keyboard easily.
- It is the program that makes the different parts of the device interact with each other.

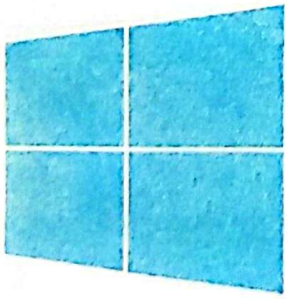
- هو البرنامج الرئيسي الذي يدير المكونات المادية والبرامج. كما يتحكم في وظائف الكمبيوتر وطريقة تفاعلك مع الشاشة والفأرة ولوحة المفاتيح.
- وهو البرنامج الذي يجعل الأجزاء المختلفة للجهاز تتفاعل مع بعضها البعض في تناغم.

## Computer Operating Systems أنظمة تشغيل الكمبيوتر

### 1 Microsoft Windows

- It's one of the most popular operating systems worldwide.

- إنه أحد أنظمة التشغيل الأكثر شعبية في جميع أنحاء العالم.



### 2 macOS

- It runs on Apple computers such as MacBook and iMac.
- It is known for its elegant design and ease of use.

- يعمل على أجهزة الكمبيوتر أبل.
- يتميز بتصميمه الأنيق وسهولة استخدامه.

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## Mobile Operating Systems أنظمة تشغيل الهواتف المحمولة

### 1 Android

- It's the most popular operating system for mobile devices.
- It's used by many phone companies.

• هو أشهر نظام تشغيل للهواتف المحمولة. وتستخدمه العديد من شركات الهواتف.

### 2 Apple iOS

- It runs on iPhone and iPad.

• يُستخدم على أجهزة الآيفون والآيباد.

- It is very safe and uses closed-source software.

هو آمن جدًا ويَستخدم برنامجًا مغلق المصدر.

## Open-source and Closed-source Operating Systems

### 1 Open-source

- It means a person can read and change the code.
- **Example:** Android

• **نظام التشغيل مفتوح المصدر:** يمكن لأيِّ شخص قراءة شفرة البرمجة أو تغييرها. مثال: نظام الأندرويد.

### 2 Closed-source

- No one can see its code or modify it, except the owner.
- **Examples:** Windows and iOS systems

• **نظام التشغيل مغلق المصدر:** هو نظام لا يمكن لأي شخص أن يرى الكود البرمجي الخاص به أو يعدله إلا الشركة المالكة له.

أمثلة على ذلك: نظام iOS ونظام Windows.

## Advanced Operating Systems أنظمة التشغيل المتطورة

1 The Robot Operating System (ROS)
(Open-source software)

2 Self-driving Cars OS

### أهم الكلمات والمصطلحات

| | | | |
|---|---|---|---|
| The most popular | الأكثر شهرة | Include | يتضمَّن |
| Individual | فرد – فردي | Perform | يؤدي |
| Self-driving cars | سيارات ذاتية القيادة | Open-source | مفتوح المصدر |
| Main | رئيسي | | |



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# Exercises on Lesson 5

## 1 Choose the correct answer:

1 The ..... is the software that manages a computer's functions, such as memory, drives, and printers. (الإسكندرية – المنتزه ثانٍ 2024) (أبناؤنا في الخارج 2024)

a. programming language b. operating system
c. input unit d. email

2 ..... is open-source software used for building robot applications.

a. Windows b. Apple iOS
c. ROS d. HTML

(الإسكندرية – المنتزه أول 2025) (الجيزة – 6 أكتوبر 2025)

3 ..... means that a person can't change and read the programming code.

a. Open-source programing b. Closed-source programing
c. Both a and b d. None of them (الإسكندرية – المنتزه أول 2025)

4 ..... is an operating system for Apple computers. (الجيزة – جنوب الجيزة 2025)

a. Windows b. macOS c. iOS d. ROS

5 The most popular mobile OS is/are ..... (الجيزة – جنوب الجيزة 2025) (دمياط 2024)

a. Android b. Apple iOS c. macOS d. none of them

6 The ..... runs a computer's software and hardware.

a. operating system b. CPU
c. hardware d. keyboard

7 A ..... is advanced technology that uses a specialized OS.

a. calculator b. typewriter c. self-driving car d. refrigerator

8 ..... is an open-source operating system for mobile devices.

a. Android b. iOS
c. macOS d. Windows (القاهرة الجديدة 2024)

9 ..... is a mobile operating system.

a. ROS b. iOS c. Linux d. macOS

10 There are many operating systems for computers, such as Windows and ..... .

a. iOS b. Android c. ROS d. macOS



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11 ..... is a closed-source operating system for iPhone and iPad.
a. Android b. Apple iOS c. Windows d. macOS
(الإسكندرية – شرق 2024)

12 All the following are operating systems, except ..... .
a. Android b. macOS c. Google d. Windows

13 The programs that allow people to change and read the programming code are ..... programs.
a. closed-source b. open-source
c. purchase-required d. difficult-to-use (أبناؤنا في الخارج 2025)

## 2 Put (✓) or (✗):

1 Android is an open-source operating system. (الجيزة – حدائق أكتوبر 2025) ( )
2 iOS is an open-source operating system. (الدقهلية 2025) ( )
3 Linux is the most popular operating system all over the world. ( )
(القاهرة الجديدة 2024)
4 iOS runs a computer's software and hardware, and allows a user to communicate with the computer easily. (القاهرة – المرج 2025) ( )
5 Operating systems manage software only. ( )
6 The Android operating system is used in iPhone and iPad devices. ( )
(القاهرة – عين شمس 2024)
7 Apple computers run on the Windows operating system. ( )
(القليوبية 2025) (المنوفية – تلا 2024) (دمياط 2024)
8 Windows is open-source software that can be edited by anyone.
(العبور 2025) (القليوبية 2024) ( )
9 Apple iOS is considered an open-source system. (الإسكندرية – شرق 2025) ( )
10 Self-driving cars don't need operating systems to perform. ( )
11 The most popular computers OSs are Android and Apple iOS.
(الإسكندرية – وسط 2025) ( )
12 Anyone can read and modify the code in closed-source software.
(الشرقية – الإبراهيمية 2025) ( )


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## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 Closed-source software | a. means that anyone can read and change the code. |
| 2 iOS | b. uses open-source software. |
| 3 Operating system | c. runs on iPhone and iPad devices. |
| 4 Open-source software | d. means that it can't be seen or changed by the public. |
| 5 Android | e. is the software that manages a computer's functions. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

## 4 Look and match:

| Column (A) | Column (B) |
|---|---|
| 1 macOS | a. is the operating system used on Apple mobile devices. |
| 2 iOS | b. is the operating system used on Microsoft PCs. |
| 3 Android | c. is the operating system used on mobile devices other than Apple products. |
| 4 Windows | d. is the operating system used on Apple PCs. |

1 ..... 2 ..... 3 ..... 4 .....



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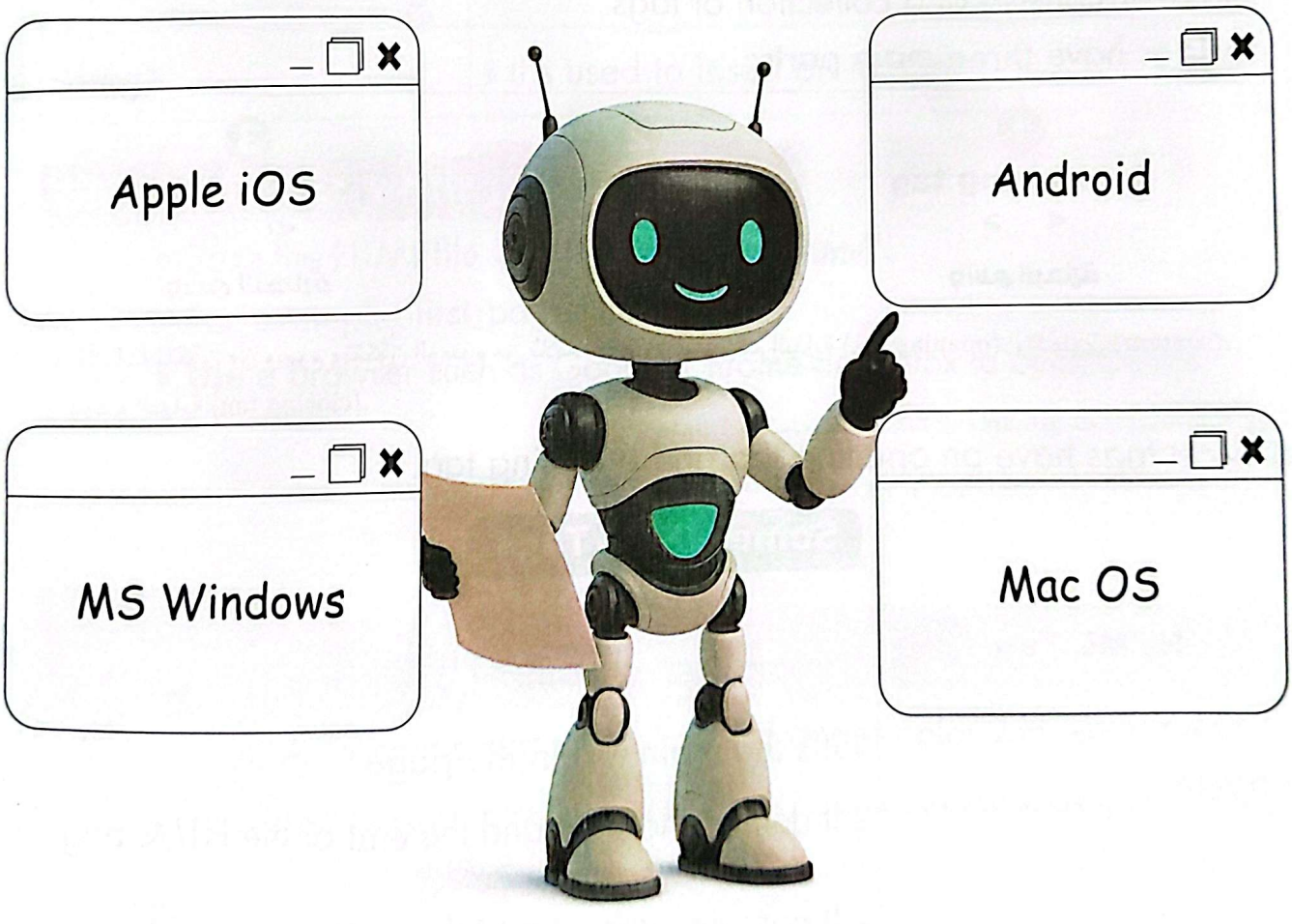
# Play with PONY

**Color:**

1. open sources with **green**.
2. Closed sources with **red**.

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# Lesson 6 I'm a Web Designer

## HTML

- **Hyper Text Markup Language (HTML)** is the standard programming language used to create **web pages**.
- HTML describes the structure of a web page.

- لغة ترميز النص التشعبي (HTML): هي لغة البرمجة القياسية المُستخدَمة في إنشاء صفحات الويب.
- لغة (HTML) تصف هيئة صفحة الويب.

## Structure of HTML Tags هيئة وسوم HTML

- HTML consists of a collection of tags.
- Tags have **three** main parts:

| 1 | 2 | 3 |
|---|---|---|
| **An opening tag** < > | **The content** | **A closing tag** </ > |
| وسم البداية | المحتوى | وسم النهاية |

- HTML تتكوَّن من وسوم وتتكوَّن الوسوم من ثلاثة أجزاء رئيسة: وَسم البداية (opening tag)، والمحتوى (content)، ووَسم النهاية (closing tag).

- Most tags have an opening tag and a closing tag.

### Some HTML Tags

| HTML Tag | Usage |
|---|---|
| <html> | • It's the main tag in the page.<br>• It defines the **start** and the **end** of the HTML page. |
| <head> | • It contains important information about the pages that do not appear to the user, such as the page title in the browsing bar. |



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| | |
|---|---|
| <title> | • It defines the page title shown on the browser tab. |
| <body> | • It contains all the content that will appear on the page, such as text and images. |
| <h1> ..... <h1> | • It contains the largest heading. |
| <h2> ..... <h2> | • It contains the subheading. |
| <h6> ..... <h6> | • It contains the smallest subheading. |
| <p> ..... <p> | • It's used to write a paragraph of a text. |
| <i> ..... <i> | • It's used to make a text *italic*. |
|  .....  | • It's used to make a text **bold**. |
| <img> | • It's used to insert an image. |

## When you finish writing the HTML code:

- Save the HTML file with the extension ".**html**".
  For example: first_page.html
- Use a browser such as Google Chrome or Firefox to open the file.

- عند الانتهاء من كتابة كود HTML: احفظ الملف بامتداد ".html".
- استخدم متصفحًا مثل جوجل كروم أو فاير فوكس لفتح الملف.

## Activity

» Create a website to promote a new project.

The Project: A "magic smart watch" that changes color with your mood.

أنشئ موقعًا إلكترونيًا للترويج لمنتج جديد، المنتج عبارة عن "ساعة ذكية سحرية" يتغير لونها حسب مزاجك.

**Steps:**

**1 The Idea:**

- A smart watch that interacts with the user's moods and changes its colors.

« الفكرة: ساعة ذكية تتفاعل مع مزاج المُستخدم وتُغيّر لونها.



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**2 Site Name:**

- "Magic Mood Watch"

**3 The Main Page Components Using HTML:**

- **Large Heading:** <h1> Discover Your Magic Watch <h1>
- **Introductory Paragraph:**

  <p> Brief Description of the Watch and its Features <p>
- **Image of the product:** <img> place an attractive image of the watch.
- Subheading: <h2> Why Choose Our Watch? <h2>
- **Additional Paragraphs:**

  <p> Brief Description of the Watch and its Features <p>
- This layout helps us organize our ideas before writing the code.

يساعدنا هذا التصميم على تنظيم أفكارنا قبل كتابة الكود.

**An Example of code is as follow:**

html

```
<h1> Welcome to My Web Page </h1>
<p> This is a short description of the page. </p>
<img src="image.jpg">
<h2> Do you like this webpage? </h2>
<p> Thank you for visiting! </p>
```

| أهم الكلمات والمصطلحات | | | |
|---|---|---|---|
| HTML | لغة ترميز النص التشعبي | Content | محتوى |
| Structure | التركيب | Additional | إضافي |
| Paragraph | فقرة | Hyperlink | رابط |
| Subheading | عنوان فرعي | | |

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# Exercises on Lesson 6

## 1 Choose the correct answer:

1 HTML stands for ..... .

a. Hyper Text Machine Language b. Hyper Text Markup Language
c. High Tech Markup Language d. Human Text Markup Language

2 ..... is the standard programming language used to create web pages. (القاهرة – الزيتون 2025) (بورسعيد 2025) (الشرقية – ديرب نجم 2025)

a. HTML b. Heading c. MS Windows d. Android

3 The HTML language consists of a group of ..... .

a. applications b. tags c. servers d. databases

4 The HTML language consists of three main parts and there is a ..... at the beginning and the end. (أبناؤنا في الخارج 2024)

a. paragraph b. word c. drawing d. tag

5 To create a paragraph in the web page, use the tag.....

a. <h1> b. <i> c. <font> d. 

(الإسكندرية – شرق 2024)

6 The closing tag for creating a paragraph in HTML is ..... .

a.  b.  c. </para> d. <end p>

7 HTML tags have ..... main parts.

a. two b. three c. four d. five

8 The main tag that defines the start and the end of the entire web page is ..... .

a. <head> b. <body> c. <h1> d. <html>

9 Programmers use the Hyper Text Markup Language (HTML) to create ..... . (دمياط 2024)

a. web pages b. games c. sources d. databases



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10 Information that does not appear to the user on the web page is included within the ..... tag.

a. <body> b. <head> c.  d. 

11 The <h1>.....</h1> tag refers to ..... .

a. creating a paragraph b. the largest heading

c. the subheading d. creating a link (الإسكندرية – المنتزه أول 2025)

12 All content that is visible on the web page is placed inside the ..... tag.

a. <title> b. <html> c. <body> d. <head>

13 To create the smallest subheading in HTML, use the ..... tag.

a. <h1> </h1> b. <h6> </h6>

c.   d. <a> </a>

14 To insert a picture or image onto the web page, you must use the ..... tag.

a.  b. <img> c. <body> d. <h1>

15 To save an HTML file, the file name should end with the extension ..... .

a. .txt b. .doc c. .html d. .pdf

16 HTML tags consist of an opening tag, a closing tag, and ..... .

a. the content b. comments c. attributes d. none of them

17 The ..... tag is used to italicize text in HTML.

a. <h> </h> b.  

c.   d.  

18 To make the text bold in a web page, use the ..... tag.

a.  b.  

c. <h6> </h6> d.   (الإسكندرية – المنتزه ثانٍ 2025)

19 The HTML tag <h2>.....</h2> refers to ..... . (القاهرة – المرج 2025)

a. a subheading b. the smallest subheading

c. a large heading d. a paragraph

20 The ..... tag is used to create the largest heading in HTML.

a. <h6> b. <h1>

c. <h2> d.  (الشرقية – الإبراهيمية 2025)



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21 The tag used for an italic text in HTML is ..... .

a. <h1> b.  c.  d. <a>

22 The false tag from the following tags is ..... . (القليوبية 2024)

a.   b. <a> </a>

c. </b> </b> d. <h1> </h1>

## 2 Put (✓) or (✗):

1 The HTML language has an opening tag and a closing tag only. ( )

(الإسكندرية – المنتزه ثانٍ 2024)

2 HTML is a standard programming language used to create web pages. ( )

(القاهرة – المرج 2025) (الجيزة – العمرانية 2025) (الدقهلية 2025)

3 HTML tags have four main parts. (المنوفية – شبين الكوم 2025) ( )

4 In HTML, the  tag is used to display text in italics. ( )

(العبور 2025) (القاهرة الجديدة 2024)

5 The  tag is used to write a bold text in the web page. ( )

(الجيزة – العمرانية 2025) (الإسكندرية – شرق 2024)

6 HTML files are saved with the extension: .doc. ( )

7 To write the largest heading in a web page, use the <h6></h6> tag. ( )

(أسيوط 2025) (الدقهلية – طلخا 2025)

8 The <html> tag defines the start and the end of a web page. ( )

9 Every tag in HTML must have a closing tag. ( )

10 The <title> tag shows the name in the browser tab. ( )

11 The HTML tag .... is used to create a hyperlink. ( )

(الجيزة – حدائق أكتوبر 2025)

12 HTML files can be displayed using Internet browsers such as Firefox or Chrome. ( )

13 The <h1>.....</h1> tag refers to creating a paragraph. ( )

(الإسكندرية – وسط 2024)

14 The content placed inside the <body> tag is visible to the user. ( )

15 The <head> tag contains all content that appears to the user in a web page. ( )



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## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1  | a. defines a paragraph in HTML. |
| 2 <h1> | b. is used to insert an image onto the web page |
| 3 <img> | c. is used to make a text bold in HTML. |
| 4 <i> | d. is used to make a text italic in HTML. |
| 5 <p> | e. is used to create the largest heading in HTML. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....



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# Play with PONY

Choose the correct tag for each of the following tasks:

1- Largest heading

2- Subheading

3- Smaller subheading

4- Paragraph

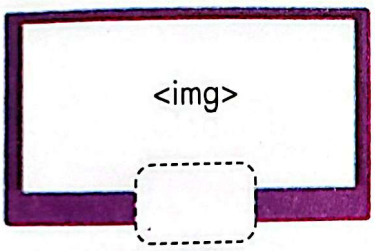
5- Body

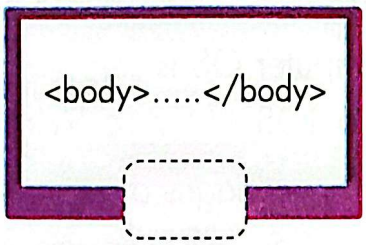
6- Image

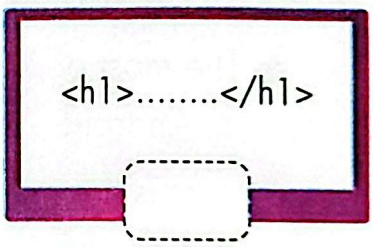
7- Title

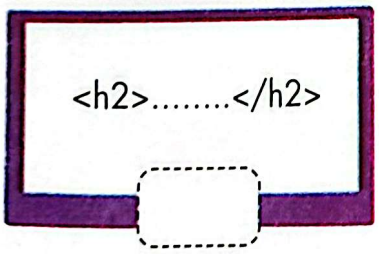
8- Italic

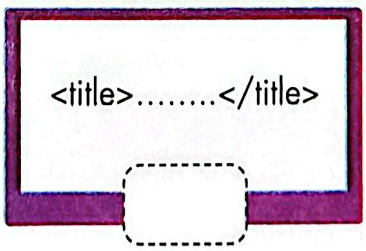
9-Bold

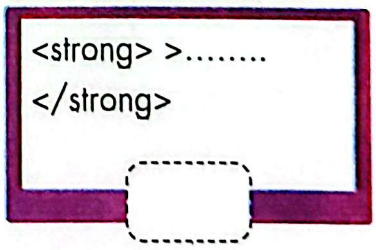


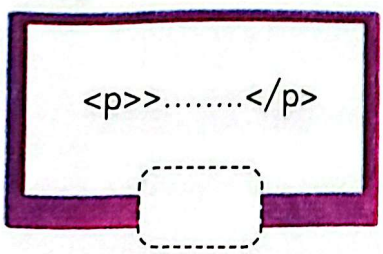



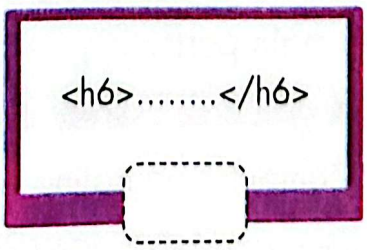



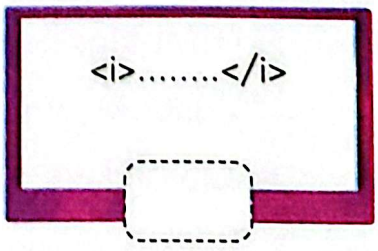

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# Test Yourself on Lessons 5&6

## 1 Choose the correct answer:

1 ..... is the standard programming language used to create web pages. (القليوبية 2024)

a. HTML b. Android c. Windows d. Scratch

2 HTML files are saved with the extension ..... .

a. .doc b. .exe c. .html d. .txt

3 HTML describes the ..... of a web page.

a. color b. style c. structure d. size

4 Apple iOS is considered a/an ..... system. (الإسكندرية – المنتزه ثانٍ 2025)

a. open-source b. closed-source

c. nothing of the previous d. semi-source

5 The HTML tag ..... refers to ..... . (القاهرة – عين شمس 2024)

a. the header b. the italic text

c. creating a paragraph d. the font

6 The most popular computer OS is ..... .

a. Android b. iOS c. Windows d. macOS

7 ..... is the software that manages a computer's functions. (قنا – نجع حمادي 2025)

a. App b. OS c. Processor d. None of them

## 2 Put (✓) or (✗):

1 An operating system only manages a computer's software. ( )

2 We use the tag  to make a text bold. (الإسكندرية – العجمي 2025) ( )

3 Android runs on Mac devices. (الدقهلية 2024) ( )

4 Self-driving cars use advanced operating systems to function. ( )

5 HTML tags have three main parts. (الشرقية – الإبراهيمية 2025) ( )

6 Windows is an operating system used on Apple PCs. (الغربية 2024) ( )

7 iOS and macOS are computer operating systems. ( )

8 The ROS is the open-source software used for building robot applications. (المنوفية – تلا 4) ( )

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# Play with PONY

GOOD LUCK

| | | |
|---|---|---|
| 10 – The  tag is used to make a text italic. | ( ) | $ 1.000.000 |
| 9- Switches connect the LAN to the Internet. | ( ) | $ 600.000 |
| 8- The <h2> tag is used for the subheading. | ( ) | $ 500.000 |
| 7- VR combines the real world with a virtual world. | ( ) | $ 100.000 |
| 6- AI,VR, and AR are futuristic technology. | ( ) | $ 50.000 |
| 5- Android is considered a closed-source OS. | ( ) | $ 10.000 |
| 4- The user experience is always positive. | ( ) | $ 2.000 |
| 3- iOS runs on Apple computers. | ( ) | $ 500 |
| 2- ROS is a cutting-edge OS. | ( ) | $ 200 |
| 1- Google is a reliable database. | ( ) | $ 100 |

LEVELS

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# October Exam on Lessons (1-6)

## 1 Choose the correct answer:

1. ..... sends data to a specific device over a network. (الدقهلية 2024)
   a. A modem  b. A switch  c. A server  d. None of them
2. ..... is an example of a public database that covers various topics. (أسيوط 2024)
   a. A blog  b. Google
   c. Facebook  d. The Egyptian Knowledge Bank
3. The technology that helps people of determination is called .....
   a. information technology  b. assistive technology
   c. cutting-edge technology  d. database (الإسكندرية – منتزه ثانٍ 2024)
4. A networks that is connected without wiring is called ..... .
   a. physical wiring  b. wireless  c. port  d. cable
   (الإسكندرية – شرق 2024)
5. ..... helps people search Internet websites. (الجيزة – جنوب الجيزة 2025)
   a. A broker  b. Google Drive
   c. A network  d. Google search
6. The EKB results are credible and ..... .
   a. inaccurate  b. narrow  c. biased  d. accurate
7. ..... is a database that contains all the sources and items owned by a library.
   a. Library catalog  b. Internet
   c. Paint program  d. Search engine (القاهرة – الزيتون 2025)

## 2 Put (✓) or (✗):

1. To repeat a statement in word processing file, choose cut and paste text. (القاهرة – الزيتون 2025) ( )
2. Future technology can improve our daily life. ( )
3. You can use keywords to search inside the database. (الجيزة – الدقي 2025) ( )
4. VR shows 3D models on real world view. ( )
5. Ctrl + C is used for pasting copied content. ( )
6. AI can write articles and project faults. ( )
7. User experience is always negative. ( )
8. Search engines always give reliable information. ( )

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# Summary of Unit 1 The Role of Technology in Our Lives

## Lesson 1

### Computer Networks:

They are groups of computer devices that are connected to each other to communicate and share information.

### Network devices:

**1 Modem:**

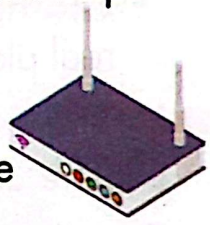
- It connects the Internet in your home.

Signal From the ISP → Modem → Digital Signal

**2 Switches:**

- They send data to a specific device over a network, which helps make connections easier and faster (intelligent devices).

**3 Router:**



1. It is a device that provides the Internet throughout the home.
2. It sends data between home devices.
3. It connects devices using wires or wirelessly, using Wi-Fi.

**4 Cables and Ports:**

- Some devices connect to the Internet through wires (Ethernet cables).
- These wires are plugged into holes, called ports.

**5 Local Area Network (LAN)**

- A LAN, which connects devices via cables, is a type of wired network.
- **Example:** A school computer lab

### Types of Networks:

1. Wired networks: They use physical wiring cables that plug into ports.
2. Wireless networks: They connect devices without wiring through a wireless or Wi-Fi.

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## Artificial Intelligence (AI):

It is a comprehensive term for computer applications that perform complex tasks simulating the thinking and performance of the human element, such as the ability to learn and reason.

## Applications of AI:

1. The ability to learn and deduce.
2. Write an article on a topic.
3. Imitate sounds.
4. Create videos.
5. Predict the faults that may occur in networks.

---

# Lesson 2

- **Augmented Reality (AR)** combines the real world with a virtual world by displaying 3D models that look like the real world.
  - **Example of AR:** Phone games that place cartoon characters in the real places around you.
- **Virtual Reality (VR):** It is a virtual 3D environment that allows users to explore and interact with the surroundings as if it were reality.
- To experience VR, users often wear a VR headset that blocks out the real world and provides immersive views

## Applications of VR:

1. You can visit far **museums** virtually.
2. You can play video games that make you feel like flying a plane or traveling in space.

- **Artificial Intelligence (AI):** It is the ability of the computer to think, learn, and deduce.

## Examples of AI:

1. It predicts the word you will write from the words you have written previously.
2. AI is used to unlock your phone with facial recognition.
3. Robots that can manufacture products in factories.

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## Lesson 3

- Goals of **assistive technology** is to:
  1. Improve independence of individuals.
  2. Improve the lives of people of determination.
- **Examples:**
  1. Smartphones enlarge text or use voice commands for people with poor vision or hand difficulty.
  2. Laptops with a **Braille terminal** help **blind** people read and write.
- **User Experience:** It describes how people use and interact with a product, and how to evaluate their experiences. It may be positive or negative.
- **Factors to evaluate a user experience, it can be:**
  1. Useful and easy to use.
  2. Desirable.
  3. Accessible.
  4. Developed.

## Lesson 4

1. **The Egyptian Knowledge Bank (EKB):**
   - It's a very large **public database**.
2. **Internet Search:**
   - Such as Google search.
   - Be careful; it may give unreliable information.
3. **Searching Within a Database:**
   - You can use keywords in your search.
4. **The Alexandria Library Catalog:**
   - It helps you find books and resources available in the Library of Alexandria.

- **Library Catalog:** It is a database that includes all the items owned by a library.

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## Database

It contains a lot of information, like a very organized library, where each place of information has a specific place that makes it easy to access.

• قاعدة البيانات: تحتوي على الكثير من المعلومات، مثل مكتبة كبيرة ومنظمة؛ حيث يكون لكل معلومة مكان محدد يجعل الوصول إليها سهلًا.

| Command | Shortcut | Function |
|---|---|---|
| Copy | Ctrl + C | • It's used to make a copy of the selected item.<br>• Select item → Press Ctrl + C |
| Cut | Ctrl + X | • It's used to move the selected item from its original place.<br>• Select item → Press Ctrl + X |
| Paste | Ctrl + V | • It's used to place the copied or cut item in a new place.<br>• After copying or cutting → Press Ctrl + V |

# Lesson 5

» **Operating System (OS)**: It is the software that manages a computer's functions, hardware, and software.

| Microsoft Windows | macOS |
|---|---|
| • It's one of the most popular worldwide.<br>• It uses closed-source software. | • It runs on Apple computers, such as MacBook and iMac. |

» **Mobile Operating Systems:**

The most popular mobile OSs are Android and Apple iOS.

| Android | Apple iOS |
|---|---|
| It's the most popular operating system for mobile devices, used by many phone companies. | • It runs on iPhone and iPad.<br>• It is very safe and uses closed-source software. |

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- **Open-source Software:** It means a person can change and read the programming code.
- **Closed-source Software:** No one can see its code or modify it, except the owner.
- **Advanced Operating Systems:**
  1. The Robot Operating System (ROS)
  2. Self-driving Cars Operating Systems

## Lesson 6

- Hyper Text Markup Language **(HTML)** is the standard programming language used to create web pages.

| HTML Tag | Usage |
|---|---|
| <html> | • It's the main tag in the page.<br>• It defines the start and the end of the HTML page. |
| <head> | • It contains important information about the pages that do not appear to the user, such as the page title in the browsing bar. |
| <title> | • It defines the page title shown on the browser tab. |
| <body> | • It contains all the content that will appear on the page, such as the text and images. |
| <h1> ..... <h1> | • It contains the largest heading. |

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| | |
|---|---|
| <h2> ..... <h2> | • It contains the subheading. |
| <h6> ..... <h6> | • It contains the smallest heading. |
| <p> ..... <p> | • It's used to write a paragraph of a text. |
| <i> ..... <i> | • It's used to make a text *italic.* |
|  .....  | • It's used to make a text **bold.** |
| <img> | • It's used to insert an image. |

- When you finish writing the HTML code:
  - Save the HTML file with the extension ".html".
- HTML tags have three main parts: an opening tag, the content, and a closing tag.
- Most tags have an opening tag and a closing tag.



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# Model Exam 1

## 1 Choose the correct answer:

1. To save an HTML file, the file name should end with the extension ..... .
   a. .txt  b. .doc  c. .html  d. .pdf
2. The HTML is mainly used to create ..... .
   a. tables  b. presentations  c. documents  d. web pages
3. ..... can send data to a specific device over a network, which helps to make connections easier and faster. (الإسكندرية – وسط 2025)
   a. Wi-Fi  b. Routers  c. Switches  d. Networks
4. A LAN is considered a group of computers connected together with cables from the ..... network.
   a. wired  b. wireless  c. wide range  d. Wi-Fi
5. The..... technology combines the real world with the virtual one.
   a. augmented reality  b. router (أبناؤنا فى الخارج 2025)
   c. Bluetooth  d. assistive technology

## 2 Put (✓) or (✗):

1. Computers connect to the Internet using Wi-Fi. ( ) (الجيزة – العمرانية 2025)
2. Every tag in HTML must have a closing tag. ( )
3. Self-driving cars don't need an operating system to perform. ( )
4. The Internet service provider is known by the abbreviation ISP. ( ) (القاهرة – الزيتون 2025)
5. The operating system manages software only. ( )



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## 3 Complete the following sentences using the words between the brackets:

(database - Virtual reality - Ctrl + C - AR - Wi-Fi)

1. ..... combines the real world with a virtual world by adding images using smartphones. (الدقهلية 2025)
2. Headsets are used to interact with ..... technology. (الجيزة – 6 أكتوبر 2025)
3. A ..... is a collection of information that are typically stored in a computer system. (الدقهلية 2025)
4. Wireless networks are connected using ..... . (الجيزة – 6 أكتوبر 2025)
5. ..... is a shortcut to copy a text or an image.

# Model Exam 2

## 1 Choose the correct answer:

1. A ..... sends data to a specific device over a network. (الدقهلية 2024)
   a. modem  b. switch  c. server  d. none of them
2. Apple computers run on the ..... operating system.
   a. Windows  b. Android
   c. macOS  d. ROS (المنوفية – شبين الكوم 2025)
3. A ..... is a device that distributes the Internet everywhere in the house, either through cables or via Wi-Fi.
   a. ISP  b. LAN  c. router  d. switch
4. To experience virtual reality, users often wear ..... .
   a. 3D glasses  b. VR headsets  c. AR headsets  d. none of them
5. The tag ..... is used to add paragraphs on a web page. (الجيزة – جنوب الجيزة 2025)
   a. <a> </a>  b. <h1> </h1>  c.    d. none of them



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## 2 Put (✓) or (✗):

1. Futuristic technologies can't improve the lives of people of determination. (الإسكندرية – المنتزه أول 2025) ( )
2. HTML is used to design web pages. (قنا – نجع حمادي 2025) ( )
3. <Strong> is a tag used to write a bold text in the web page. (الإسكندرية – شرق 2024) ( )
4. Technology helps improve the independence of people with special needs. ( )
5. A computer network is a group of connected devices that is used for sharing information. ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 macOS | a. is used to insert a picture or an image onto the web page. |
| 2 <head> | b. are how people use and interact with a product. |
| 3 <img> | c. contains information that does not appear to the user on the web page. |
| 4 User experiences | d. is an operating system for Apple computers. |
| 5 Future technology | e. includes artificial intelligence, augmented reality, and virtual reality. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....



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# Model Exam 3

## 1 Choose the correct answer:

1. Robots that can make things inside factories are considered part of the ..... technology.
   a. virtual reality
   b. assistive technology
   c. artificial intelligence
   d. augmented reality.
2. The HTML tag .... refers to ..... . (الجيزة – الشيخ زايد 2024)
   a. the largest heading
   b. the subheading
   c. the font color
   d. creating a paragraph
3. Wired networks use wires and cables that are connected to openings in devices, called ..... . (أسيوط 2024)
   a. switches  b. servers  c. ports  d. routers
4. To convert the signal from the ISP to a digital signal, we need to use .....
   a. Wi-Fi
   b. ports
   c. a modem
   d. switches (القاهرة – غمرة 2025)
5. When searching in any database, it is preferable to use ..... .
   a. full sentences
   b. keywords
   c. symbols and numbers
   d. none of them (أسيوط 2024)

## 2 Put (✓) or (✗):

1. An operating system is the software that controls all the computer functions. (القاهرة – الزيتون 2025) ( )
2. Virtual reality shows 3D models in the real world. ( )
3. In HTML, the <body> tag contains information that is not visible to the user. ( )
4. Android is closed source; it can't be seen or changed by the public. (البحيرة – دمنهور 2024) ( )
5. The Egyptian Knowledge Bank (EKB) is an example of a public database. (القاهرة – الزيتون 2025) (الجيزة – جنوب الجيزة 2025) (القاهرة – غمرة 2025) ( )

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## 3 Complete the following sentences using the words between the brackets:

(Advanced technology - library catalog - Artificial intelligence - Assistive technology - Switches)

1. ..... helps people of determination, such as Braille terminal. (الإسماعيلية 2024)
2. ..... send data to a specific device.
3. A ..... is a database that includes all the items owned by a library. (الجيزة – 6 أكتوبر 2025)
4. ..... is used to unlock your phone with facial recognition. (بورسعيد 2025)
5. ..... includes AI, AR, and VR.

# Model Exam 4

## 1 Choose the correct answer:

1. Augmented reality combines the real world with a/an ..... world. (الغربية 2024)

   a. virtual  b. AI  c. actual  d. none of them

2. ..... help in sending data to a specific device via a network easily.

   a. Switches  b. Hubs  c. Modems  d. Cables

3. To write the largest heading on a web page, we use the tag .....

   a. <h1> </h1>  b. <h6> </h6>

   c. <font> </font>  d.   (الجيزة – الدقي 2025)

4. When conducting a digital search, make sure the information you get is ..... .

   a. reliable  b. accurate  c. unreliable  d. both a and b

5. The HTML language consists of three main parts, and there is a ..... at the beginning and the end. (أبناؤنا في الخارج 2024)

   a. paragraph  b. word  c. drawing  d. tag



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## 2 Put (✓) or (✗):

1. The router helps in sending data between devices at home. ( ) (القاهرة الجديدة 2024)
2. Artificial Intelligence (AI) can learn and think like people. ( )
3. To write the biggest heading in the web page, the <h1> </h1> tag is used. ( ) (القاهرة – الزيتون 2025)
4. Artificial Intelligence (AI) is the ability of a computer to think, learn, and deduce. ( ) (الإسكندرية – برج العرب 2024)
5. You can press Ctrl + C to move a text or an image to another place. ( )

## 3 Complete the following sentences using the words between the brackets:

(assistive technology – Augmented reality – library catalog – Artificial intelligence – HTML)

1. One of the goals of .....is to meet the needs of people with disabilities. (الجيزة – 6 أكتوبر 2025)
2. ..... is the ability of a machine to think and learn.
3. A ..... is a database that includes all the items owned by a library.
4. ..... shows a 3D model of what looks like the real world.
5. ..... is an abbreviation of Hyper Text Markup Language. (الإسماعيلية 2024)

# Model Exam 5

## 1 Choose the correct answer:

1. ..... works to imitates sounds when provided with the tone of voice of an actual human. (الإسكندرية – المنتزه أول 2025)

   a. Artificial intelligence  b. Virtual reality
   c. Augmented reality  d. None of them

2. A network that is connected without wiring is called ..... . (الإسكندرية – شرق 2024)

   a. physical wiring  b. wireless  c. po  d. cable

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3 ..... is a tag used to make the font bold on a web page.

a. < h1 > b. < p > (الإسكندرية – شرق 2025)

c. < font size > d. < strong >

4 ..... is a technology that improves the lives of people of determination.

a. Assistive technology b. Old technology

c. Traditional technology d. Complex technology

5 A ..... connects devices with physical wiring and cables. (القليوبية 2024)

a. wireless network b. wired network c. network d. port

## 2 Put (✓) or (✗):

1 Android is an example of a closed-source operating system. ( )

2 Artificial intelligence can be used to improve our daily lives. ( )

3 Networks are groups of devices or things that are connected to each other for a common purpose. (الجيزة – جنوب الجيزة 2025) ( )

4 Artificial intelligence cannot predict network failures before they occur. (أسوان 2024) ( )

5 The iOS uses closed-source software. (الإسكندرية – المنتزه ثانٍ 2024) ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 EKB | a. is used to create the smallest subheading in HTML. |
| 2 <h1> | b. is an open-source operating system for mobile devices. |
| 3 Android | c. is an example of a public database. |
| 4 Search engines | d. are used to search on the Internet using keywords. |
| 5 <h6> | e. is used to create the largest heading in HTML. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....



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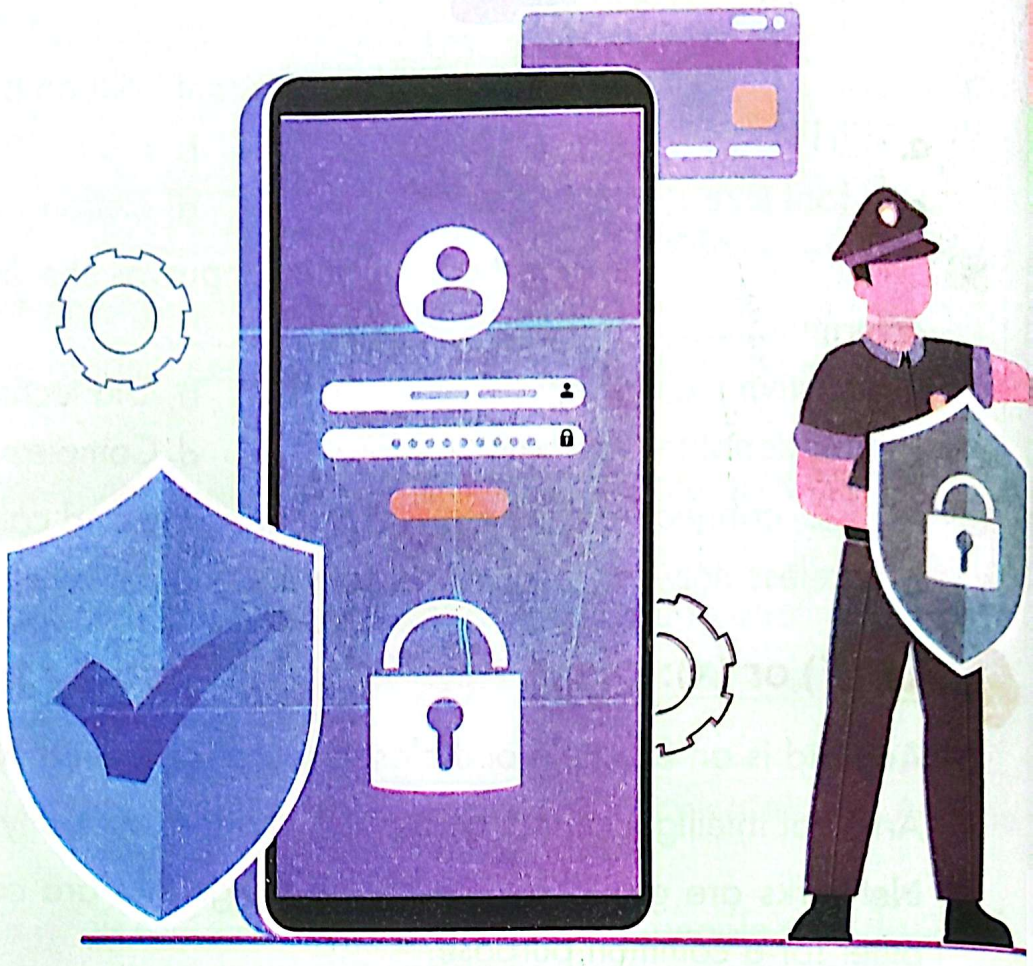
Unit 2

# Digital Safety and Security Precautions



## Unit Lessons:


Lesson 1 The World of Video Games: Fun and Safety

Lesson 2 Protecting My Digital Data

Lesson 3 Be a Cyber Security Hero

Lesson 4 Online Financial Trading

Lesson 5 Cloud Computing

Lesson 6 Cloud Storage Applications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# Lesson 1 The World of Video Games: Fun and Safety

## Electronic Games الألعاب الإلكترونية

1. They are games on electronic devices that rely on a virtual world.
2. In these games, an interaction happens between the player and the device, or between multiplayers, which made them part of our daily lives.

١ هي ألعاب موجودة على الأجهزة الإلكترونية، وتعتمد على العالم الافتراضي.

٢ في هذه الألعاب يحدث تفاعل بين اللاعب والجهاز أو بين عدة لاعبين؛ مما جعلها جزءًا من حياتنا اليومية.

## Dangers of Electronic Games مخاطر الألعاب الإلكترونية

1. **Physical Dangers** المخاطر الجسدية
2. **Psychological Dangers** المخاطر النفسية
3. **Security Dangers** المخاطر الأمنية

## 1 Physical Dangers المخاطر الجسدية

1. **Back and neck problems:** Due to sitting for a **long time** in a **wrong posture**.
2. **Eye dryness and blurry vision:** Due to continuous **focusing on the screen**.
3. **Weight gain:** Because you may not be exercising or eating properly while playing.

١ **الجلوس لفترات طويلة** بطريقة خاطئة قد يسبب آلام الظهر والرقبة.

٢ **التركيز المستمر** على الشاشة يؤدي إلى جفاف العين وقد يسبب تشوش الرؤية.

٣ **زيادة الوزن:** نتيجة عدم ممارسة الرياضة أو عدم اتباع عادات الأكل السليمة أثناء اللعب.



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## 2 Psychological Dangers المخاطر النفسية

1. Some players may use inappropriate language or bully others.
2. If this happens:
   1. Don't respond.
   2. Inform your family or those responsible for the game.
3. When gaming becomes more important than anything else, it may cause aggressive feelings.
4. This negatively affects:
   1. Study.
   2. Sleep.
   3. Family and friends time.

1. قد يستخدم بعض اللاعبين ألفاظًا سيئة أو يقومون بالتنمر.
2. إذا حدث ذلك، فلا ترد وأخبر الأسرة أو المسئولين عن اللعبة.
3. إذا أصبح اللعب أهم من كل شيء، فقد يؤدي إلى مشاعر عدوانية.
4. يؤثر ذلك سلبًا على: ١- الدراسة. ٢- النوم. ٣- قضاء الوقت مع الأسرة والأصدقاء.

## 3 Security Dangers المخاطر الأمنية

- Some games allow chatting with other players.
- Sharing personal information (full name, address, and phone number) with strangers is dangerous.
- Never click on links sent by strangers; these links may be malicious programs to steal personal info or spread viruses.

- بعض الألعاب تسمح بالدردشة مع لاعبين آخرين.
- مشاركة المعلومات الشخصية (مثل: الاسم الكامل، والعنوان، ورقم الهاتف مع الغرباء) خطر.
- يجب عدم الضغط على أي روابط مرسلة من غرباء، هذه الروابط قد تحتوي على برامج خبيثة لسرقة المعلومات الشخصية أو نشر الفيروسات.



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# Responsible Gaming ممارسة الألعاب الإلكترونية بمسئولية

## 1 Avoid Physical Dangers:

1. Take regular breaks and look away from the screen.
2. Do physcial activity and exercises.

- حدِّد فترات راحة منتظمة وانظر بعيدًا عن الشاشة.
- مارس النشاط البدني والتمارين الرياضية.

## 2 Avoid Psychological Dangers:

1. Set a fixed time for playing.
2. Don't use games to escape problems.

- حدِّد وقتًا محددًا للعب والتزم به.
- لا تستخدم الألعاب كوسيلة للهروب من المشكلات.

## 3 Avoid Security Dangers:

1. Don't share personal Information online.
2. Play only with friends and family.
3. Use privacy settings in games.

- لا تشارك المعلومات الشخصية عبر الإنترنت.
- استخدم إعدادات الخصوصية في الألعاب.
- العب فقط مع الأصدقاء والأسرة.

## The Role of the Family:

1. The family should set clear rules for gaming time and type; students should accept these rules.
2. The family should participate in choosing games and keep an open dialogue about any problems they face.

## NOTES:

- Games are fun, but we must be smart in using them and protect ourselves.
- We should balance between gaming and other hobbies (reading, drawing, and spending time with family and friends).

- الألعاب وسيلة ممتعة، لكن يجب أن نكون أذكياء في استخدامها، وعلينا حماية أنفسنا.
- يجب الموازنة بين اللعب والهوايات الأخرى مثل: القراءة، والرسم، وقضاء الوقت مع الأسرة والأصدقاء.

### أهم الكلمات والمصطلحات

| | | | | | |
|---|---|---|---|---|---|
| Electronic games | الألعاب الإلكترونية | Stranger | غريب | Critical thinking | التفكير النقدي |
| Encourage | يشجع | Hunched | منحنٍ | Impact | تأثير |
| Sleep cycle | دورة النوم | Eye strain | إرهاق العين | Develop | يطور |
| Promote | يعزز | Rationally | بعقلانية | Prevent | يحمي |
| Stimulate | يحفز | Limits | حدود | Security | أمان - حماية |
| Affect | يؤثر | Encounter | يواجه أو يقابل | Leak | تسريب |
| Weight gain | زيادة الوزن | Supervision | إشراف | Multiplayers | عدة لاعبين |
| Cyberbullies | المتنمرون عبر الإنترنت | Creative thinking | التفكير الإبداعي | Anxious | قلق |
| Depressed | مكتئب | Leaked | تسريب | Maintaining | المحافظة |
| Negatively | سلبيًا | Discussions | مناقشات | | |

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# Exercises on Lesson 1

## 1 Choose the correct answer:

1 Electronic games are mainly based on ..... .

a. toys b. books

c. real playgrounds d. virtual worlds

2 Playing electronic games too much can affect your ..... .

a. sleep b. study c. family time d. all of them

3 There are several disadvantages of electronic games, like ..... .

a. physical dangers b. psychological danger

c. security dangers d. all of them (الإسماعيلية 2024)

4 Sitting in a wrong posture while gaming can cause ..... .

a. extra energy b. back and neck pain

c. a better posture d. longer sleep

5 The continuous focus on a screen for a long time may result in ..... .

a. a blurry vision b. eye dryness

c. stronger memory d. both a and b

6 Sharing your name and full address in a game is ..... .

a. helpful b. dangerous c. fun d. normal

7 ..... is one of the physical risks of electronic games.

a. Eye dryness b. Anxiety

c. Allowing strangers to access your name d. Face

(أبناؤنا في الخارج 2025)

8 Clicking on unknown links from strangers may ..... .

a. install useful tools b. spread viruses

c. improve the speed d. give rewards

9 If gaming becomes more important than everything else, it can ..... .

a. create aggressive feelings b. improve your sleep

c. enhance your studying d. reduce the stress



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10 To avoid physcial danger during gaming, you should ..... .
a. take breaks
b. move and exercise
c. play all night
d. both a and b

11 ..... helps you avoid security risks.
a. Sharing personal data
b. Ignoring privacy
c. Playing with friends
d. Clicking on all links

12 To reduce psychological risks, players should ..... .
a. play without limits
b. avoid their family
c. set a fixed play time
d. share their personal information

13 Families can support safe gaming by ..... .
a. ignoring gaming
b. setting clear rules
c. buying all new games
d. all of them

14 To avoid security dangerous of electronic games, ..... .
a. set privacy settings
b. play with your friends
c. share personal information
d. both a and b

15 One of the dangers of electronic games is ..... because you may not be exercising.
a. hacking
b. gaining weight
c. bullying
d. violence

16 You should not share your ..... because others can access your address, email, and phone number.
a. games
b. news
c. personal information
d. jokes

## 2 Put (✓) or (✗):

1 There are no dangers while playing electronic games. ( )
(الإسكندرية – شرق 2024)

2 Electronic games can be fun, but they impact your health. ( )

3 Playing too often can affect your sleep cycle, which hinders your ability to sleep. (الإسكندرية – المنتزه ثان 2024) ( )

4 Games never involve interaction between players. ( )

5 Long periods of sitting and playing games may cause neck and back pain. ( )



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6 Chatting with strangers in games is always safe. ( )

7 Sharing your address and phone number online is risky. ( )

8 It is recommended to play games and chat with people you don't know. ( )

9 One of the physical dangers is that some players may insult others or bully them. ( )

10 Setting privacy on online games helps protect players. ( )

11 It is necessary that refuse the rules that your parents set on playing games online. (الإسكندرية – المنتزه أول 2025) ( )

12 Using games to escape problems helps avoid gaming dangers. ( )

13 If someone bullies you on online games, you should bully them. ( )

14 You should balance between gaming and other hobbies. ( )

15 If you face risks in online games, consult your parents. (القاهرة – الزيتون 2025) ( )

16 To limit risks in online gaming, use personal information in your username. (الجيزة – 6 أكتوبر 2025) ( )

17 Being bullied online is one of the physical electronic games dangers. (الإسكندرية – العجمي 2025) ( )

## 3 Complete the missing parts using the words between the brackets:

(eye dryness – Back problems – aggressive – Unknown links – personal information)

1 ..... is one of the security dangers of electronic games. (البحيرة – دمنهور 2024)

2 ..... are one of the dangers of electronic games because you sit for a long time in a wrong way while playing.

3 Electronic games can cause ..... and a blurry vision. (الغربية – طنطا شرق 2025) (الغربية 2024)

4 When gaming becomes more important than anything else, it may cause ..... feelings. (الإسكندرية – وسط 2025)

5 Don't share ....., such as your name, email, phone number, and address.

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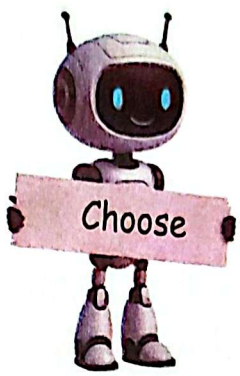
# Play with PONY

The robot needs your help to learn about the types of dangers from electronic games.




1. **Binge aggressive**
   - A- Physical
   - B- Psychological
   - C- Security

2. **Neck problems**
   - A- Physical
   - B- Psychological
   - C- Security

3. **Unkown links**
   - A- Physical
   - B- Psychological
   - C- Security

4. **Weight gain**
   - A- Physical
   - B- Psychological
   - C- Security

5. **Viruses**
   - A- Physical
   - B- Psychological
   - C- Security

6. **Back problems**
   - A- Physical
   - B- Psychological
   - C- Security

7. **Negative effect on relationships**
   - A- Physical
   - B- Psychological
   - C- Security

8. **Eye dryness**
   - A- Physical
   - B- Psychological
   - C- Security

9. **Blurry vision**
   - A- Physical
   - B- Psychological
   - C- Security

10. **Sharing personal information**
    - A- Physical
    - B- Psychological
    - C- Security

11. **Cyberbullies insulting you**
    - A- Physical
    - B- Psychological
    - C- Security

12. **Chatting with strangers**
    - A- Physical
    - B- Psychological
    - C- Security

13. **Ignoring the privacy settings**
    - A- Physical
    - B- Psychological
    - C- Security

14. **Hackers can access and leak your personal information.**
    - A- Physical
    - B- Psychological
    - C- Security

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# Lesson 2 Protecting My Digital Data

Let's look at some more ways you can effectively protect your devices.

دعونا نلقي نظرة على بعض الطرق التي يمكنك من خلالها حماية أجهزتك بشكل فعَّال.

## 1 Strong Passwords

- Use a strong password of 8 or more characters.
- It must be difficult to guess (avoid names or birth dates).
- Includes capital and small letters, numbers, and symbols.
- Never share your passwords with anyone.

• استخدم كلمة سر قوية لا تقل عن ٨ أحرف، ويجب أن تكون معقدة وصعبة التخمين (تجنب استخدام الأسماء أو تواريخ الميلاد)، يجب أن تحتوي على حروف كبيرة وصغيرة وأرقام ورموز، لا تشاركها مع أي شخص.

## 2 Multi-Factor Authentication (MFA)

- MFA requires at least two ways of identifying yourself.

• تتطلَّب المصادقة مُتعدِّدة العوامل طريقتين على الأقل لتحديد هُويَّتك.

## 3 Fingerprint Authentication

- This type of authentication will scan your finger as a way of confirming it's you.

• **المصادقة ببصمة الأصابع:** هذا النوع من المصادقة سيُجري مسحًا لإصبعك، كطريقة لتأكيد هُويَّتك.



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## 4 Facial Recognition

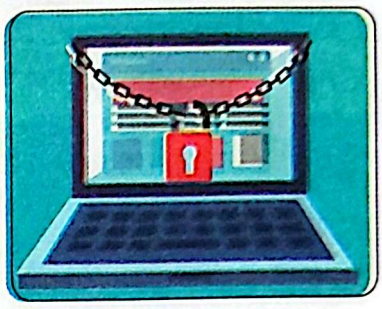
» The facial recognition software will scan your face using your device's camera .

• برنامج التعرُّف على الوجه سيُجري مسحًا لوجهك باستخدام الكاميرا الخاصة بك.

## 5 Full Encryption Programs

» Encryption protects your information.

• يقوم التشفير بحماية معلوماتك.



## My Personal Responsibility to Protect My Devices

» **If your data is exposed to risk:**

1. Inform your parents or a trusted person.
2. Report data theft to the responsible authorities.

« **إذا تعرضت بياناتك للخطر، يجب أن تقوم بالخطوات التالية:**

• أخبر أحد والديك أو شخصًا موثوقًا. • أبلغ السلطات المختصة عن سرقة البيانات.

| أهم الكلمات والمصطلحات | | | |
|---|---|---|---|
| Random | عشوائي | Security codes | رموز الأمان |
| Identifying yourself | تحديد هويتك | Safety precautions | احتياطات السلامة |
| Strict | صارم | Data protection | حماية البيانات |
| Victims | ضحايا | Law | قانون |
| Compromised | تعرَّض لخطر الاختراق | Proper authorities | السلطات المسئولة |
| Immediately | فورًا | Data theft | سرقة البيانات |

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# Exercises on Lesson 2

## 1 Choose the correct answer:

1 It is preferable for passwords to contain at least ..... characters.
a. five b. eight c. three d. four
(أبناؤنا في الخارج 2024)

2 ..... is the software that scans your face using your device's camera.
a. OneDrive b. Facial recognition
c. Fourth Drive d. None of them (جنوب الجيزة 2025)

3 MFA requires at least ..... ways of identifying yourself.
a. two b. three c. eight d. four
(الجيزة – الدقي 2025) (الجيزة – العمرانية 2025) (المنوفية – تلا 2024)

4 A strong password should include ..... .
a. capital and small letters b. numbers
c. symbols d. all of them

5 If you feel that your data on the Internet is at risk, you should ..... .
a. share all the data b. report to the responsible authorities
c. tell unknown people d. change the keyboard
(أبناؤنا في الخارج 2025)

6 One of the best secure methods to confirm your identity is ..... .
a. writing the name of your school b. fingerprint authentication
c. typing the name d. writing the date of birth
(أبناؤنا في الخارج 2024)

7 Sharing your password with friends is ..... .
a. safe b. dangerous
c. secure d. recommended

8 The software that scans your face using your device's camera is ..... .
a. fingerprint b. the password
c. multi-factor authentication d. facial recognition
(الإسكندرية – شرق 2024)



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9 Encryption programs are ..... .
a. used to play games
b. software to protect data
c. useless software
d. hardware devices

10 ..... requires at least two ways of identifying yourself.
a. Multi-factor authentication
b. Fingerprint authentication
c. Facial recognition
d. Full encryption (الإسكندرية – المنتزه أول 2024)

11 If your data is at risk, the first step is to ..... .
a. ignore it
b. inform your parents or a trusted person
c. delete everything
d. share it online

12 Passwords that are easy to guess include ..... .
a. numbers and symbols
b. random letters
c. names or birth dates
d. capital letters

13 Fingerprint authentication usually scans your ..... .
a. eye
b. face
c. finger
d. palm

14 All the following are strong passwords, except ..... . (الشرقية – ديرب نجم 2025)
a. p@yRoblox4lhour
b. ELSayedSfadel_70
c. thanks$123
d. AlwaysSaythanks

15 Multi-Factor authentication is mainly used to ..... .
a. design games
b. verify your identity
c. download apps
d. play videos

## 2 Put (✓) or (✗):

1 Passwords that consist of random letters, numbers, and symbols of eight or more in length are the most secure passwords. (القاهرة – الزيتون 2025) ( )

2 If you have been exposed to data theft, you should report it. ( )

3 MFA requires at least two ways of identifying yourself. (الإسكندرية – وسط 2025) ( )

4 Full encryption works to protect your information so that only you can access it. (أسيوط 2025) ( )

5 Facial recognition and passwords are ways to protect your digital devices. (سوهاج 2024) ( )



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6 Sharing your password with a friend is safe. ( )

7 Fingerprint authentication will scan your face using your device's camera. (الإسكندرية – شرق 2025) ( )

8 If data is at risk, ignore the problem. ( )

9 Multi-factor authentication increases the security of your data. ( )

10 It is preferable that the password consists of numbers only. ( )

(قنا – نجع حمادي 2025)

11 Protecting your devices is a personal responsibility. ( )

12 Fingerprint authentication is a type of authentication confirming it's you. (الإسكندرية – المنتزه أول 2025) (الإسكندرية – وسط 2024) ( )

13 Multi-factor authentication (MFA) is not an effective way to protect your accounts. ( )

14 Fingerprint and face recognition are secure methods to protect your data. ( )

15 If you've been a victim of data theft, there is no need to report the theft. ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 Encryption | a. is a type of authentication that scans your finger to confirm your identity. |
| 2 Multi-factor authentication | b. should be difficult to guess and consist of at least 8 characters. |
| 3 Fingerprint authentication | c. requires at least two ways of identifying yourself. |
| 4 Strong passwords | d. scans your face using your device's camera to confirm your identity. |
| 5 Facial recognition | e. protects your information. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

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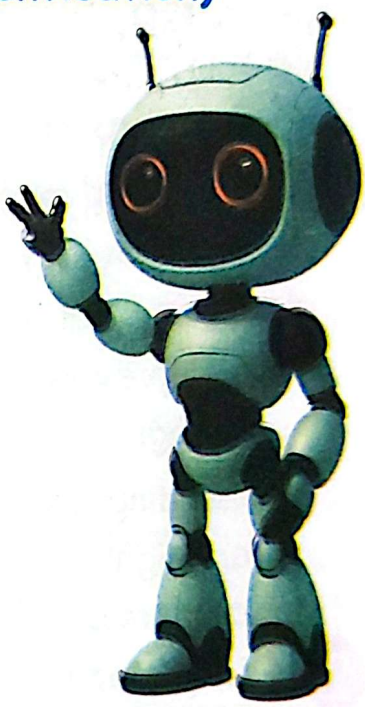
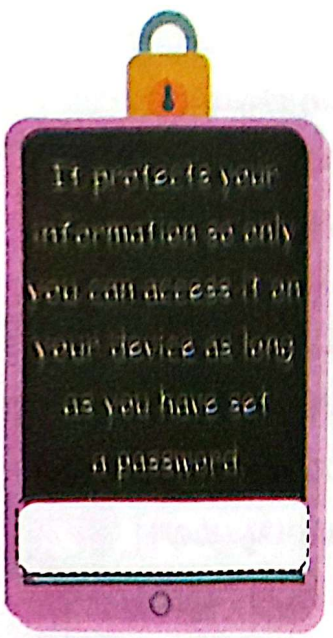
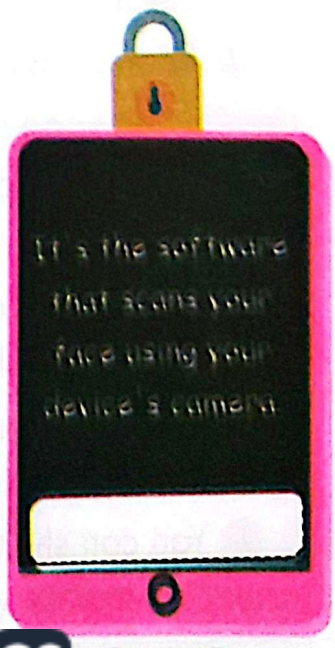
# Play with PONY

Help the robot obtain the password using the words between the brackets.

(Facial recognition - MFA - Passwords - Full encryption - Fingerprint authentication)





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## 1 Choose the correct answer:

1 Multi-factor authentication requires at least ..... . (أسيوط 2024)
a. three methods b. two methods
c. one method d. none of them

2 One of the psychological dangers of electronic games is that they may cause ..... .
a. entertainment b. aggressive feelings
c. education d. all of them (الإسكندرية – المنتزه أول 2025)

3 ..... will scan your face using your device's camera.
a. Facial recognition b. Fingerprint
c. MFA d. Encryption (القاهرة – عين شمس 2025)

4 Your ..... should have at least eight random characters.
a. fingerprint b. encryption c. password d. email (الغربية 2024)

5 You should report stolen data to ..... .
a. friends b. strangers c. authorities d. classmates

6 The physical dangers of playing electronic games causes ..... .
a. depression b. back problems
c. aggression d. bullying online (الإسكندرية – شرق 2024)

7 Spending long hours gaming often reduces your ..... .
a. weight b. physical activity
c. aggressive feelings d. intelligence

## 2 Put (✓) or (✗):

1 Electronic games do not entail any risks. (قنا – نجع حمادي 2025) ( )

2 Strong passwords protect your devices from theft. (الإسكندرية – وسط 2025) ( )

3 You should play a lot of electronic games to fall asleep right away. (الجيزة – العمرانية 2025) ( )

4 Looking at the screen too much improves your eyesight. ( )

5 MFA stands for Multi-Factor Authentication. (القاهرة – عين شمس 2024) ( )

6 Electronic games negatively affect your relationship with family and friends. ( )

7 You can share personal information online. (الإسكندرية – وسط 2024) ( )

8 Cybersecurity is the protection of only your devices from risks. ( )

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# November Exam on Lessons (5&6, 1&2)

## 1 Choose the correct answer:

1 Clicking on unknown links from strangers may ..... .
a. install useful tools b. spread viruses
c. improve the speed d. give rewards

2 MFA is mainly used to ..... using two ways or more.
a. design games b. verify your identity
c. download apps d. play videos

3 Which of the following tags is false? (القليوبية 2024)
a.  b. <a> </a> c. </b> </b> d. <h1> </h1>

4 ..... is a mobile operating system.
a. ROS b. iOS c. Linux d. macOS

5 ..... scans your face using the device's camera to confirm your identity.
a. Fingerprint authentication b. Facial recognition
c. Full encryption d. MFA (القاهرة الجديدة 2024)

6 To create a paragraph in the web page, use the tag ..... .
a. <h1> b.  c. <font> d. <p>

7 To avoid the security dangers of electronic games, ..... .
a. set privacy settings b. play with your friends
c. share personal information d. both a and b

## 2 Put (✓) or (✗):

1 iOS uses closed-source software. (الإسكندرية – المنتزه ثانٍ 2024) ( )
2 Cloud files remain safe even if your device is lost. ( )
3 HTML is a programming language for creating web pages. ( )
(السويس 2024)
4 There are several drawbacks for electronic games, such as security risks. (أسيوط 2024) ( )
5 MFA stands for Multi-Factor Authentication. (طنطا – شرق 2025) ( )
6 Encryption programs protect your data. ( )
7 ROS is an operation system for building robot apps. ( )
8 Strong passwords protect your devices from theft. (الإسكندرية – وسط 2024) ( )

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# Lesson 3 Be a Cyber Security Hero

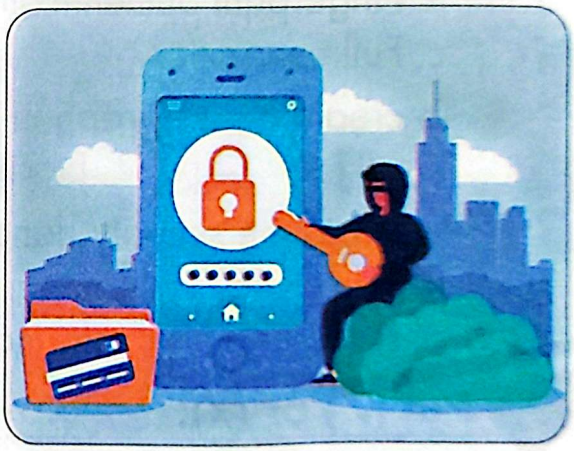
## Cybersecurity الأمن السيبراني

» It is the protection of:

1. Our devices, such as mobile phones and computers.
2. Our personal information, such as photos and phone numbers, from any danger on the Internet, such as hackers or viruses.

« الأمن السيبراني هو حماية الأجهزة مثل: الهاتف المحمول والكمبيوتر. وهو أيضًا يحمي معلوماتنا الشخصية مثل: الصور وأرقام الهواتف من أي مخاطر على الإنترنت، مثل الهاكرز أو الفيروسات.

## Online Safety Plan



### 1 Use Strong Passwords:

» Use a very strong password that cannot be easily guessed.

» Change the password every 3 months.

- يجب أن تستخدم كلمة سر قوية جدًا يصعب تخمينها.
- ويجب أن تقوم بتغييرها كل ٣ أشهر.

### 2 Safe Sharing:

» Do not share your personal information on the Interent.

» Avoid publishing photos, phone numbers, home addresses, or school names.

- لا تشارك معلوماتك الشخصية على الإنترنت.
- تجنَّب نشر الصور الشخصية، وأرقام الهواتف، وعنوان المنزل أو اسم المدرسة.

### 3 How to Deal with Strangers:

» Do not communicate with people you don't know.

» Avoid anyone who makes you feel uncomfortable.

- لا تتواصل مع أشخاص لا تعرفهم أو أشخاص تشعر بعدم الارتياح معهم.

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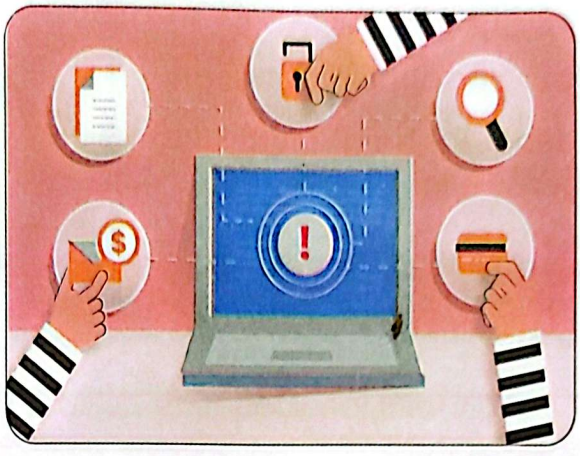
## ④ Security Software:

- Use anti-virus software to protect you against viruses.
- Use secure web browsers.

- من متطلبات الأمان على الإنترنت: استخدام برامج الحماية من الفيروسات، واستخدام متصفحات إنترنت آمنة.

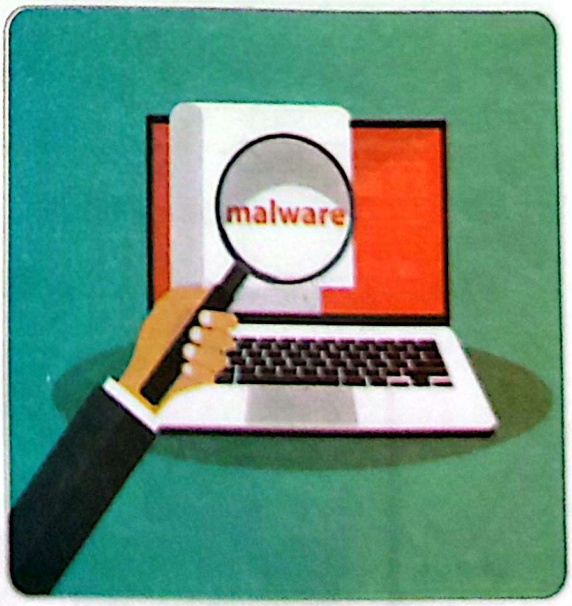


# Types of Cyber Security Threats

## 1 Malware البرمجيات الخبيثة

**Problem:**

- If you receive a message claiming your device has a virus and asking you to click a link.




**Solution:**

- Ignore the message.
- Don't click the link, it may be a virus.
- Always verify the source of the message.

- إذا وصلتك رسالة تدَّعي أن جهازك مصاب بفيروس وتطلب منك النقر على رابط.
- **الحل:** تجاهل الرسالة، لا تضغط على الرابط؛ لأنه قد يكون هو الفيروس نفسه، ويجب دائمًا التحقق من مصدر الرسالة.

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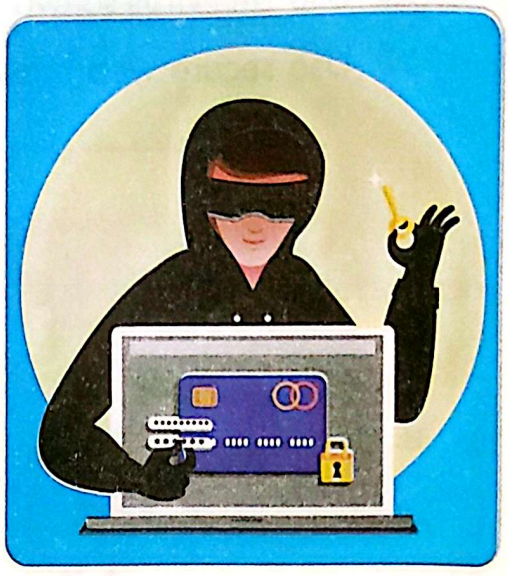
## 2 Spoofing انتحال الصفة



**Problem:**

- If a company or famous person asks for your personal information.

**Solution:**

- Do not share your personal information.
- Sharing may lead to data theft and money stolen.

- إذا طلبت شركة أو شخصية مشهورة معلوماتك الشخصية، فلا تشاركها؛ لأن ذلك قد يؤدي إلى سرقة بياناتك وحتى خسارة أموالك.

### أهم الكلمات والمصطلحات

| | | | |
|---|---|---|---|
| Appropriate | مناسب | Frequently | بصورة متكررة |
| Precautions | احتياطات | Accurate | دقيق |
| Verify | يتحقق | Threats | تهديدات |
| Link | رابط | Remove | يزيل |
| Criminals | مجرمون | Fake | مزيف |

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# Exercises on Lesson 3

## 1 Choose the correct answer:

1. Cybersecurity is the protection of ..... .
   a. devices  b. data
   c. both a and b  d. none of them
2. Strong passwords should be changed every ..... .
   a. 3 days  b. 3 weeks  c. 3 months  d. 3 years
3. Cybersecurity protects your personal information, such as your ..... .
   a. photos  b. phone numbers
   c. addresses  d. all of them
4. Safe sharing online includes sharing ..... .
   a. personal photos  b. hobbies and drawings
   c. home addresses  d. phone numbers
5. Communicating with strangers on the Internet is ..... .
   a. dangerous  b. fun
   c. safe  d. recommended
6. A message telling you to click on a link to remove a virus is usually ..... .
   a. spoofing  b. malware
   c. a prize  d. security
7. A fake domain pretending to be a business is an example of ..... .
   a. maleware  b. spoofing  c. antivirus  d. scareware

(الإسكندرية – وسط 2024)

8. ..... is/are type(s) of cyber threats. (المنوفية – تلا 2024)
   a. Malware  b. Spoofing
   c. Both of them  d. None of them



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9 If you receive a message from Mohamed Salah asking for your personal information, this message is usually a type of ..... .

a. malware b. spoofing
c. a prize d. all of them

10 It is preferable to change your passwords every ..... months.

a. eight b. six c. three d. none of them

(أبناؤنا في الخارج 2024)

11 ..... is/are cyber criminals who pretend to be a business, or a known person to trick you.

a. Maleware b. Hackers c. Spoofing d. Scareware

12 People who make you feel uncomfortable online should be ..... .

a. ignored b. trusted
c. contacted d. added as friends

13 Using ..... is/are important for cybersecurity.

a. antivirus b. strong passwords
c. safe web browsers d. all of them

14 ..... are malicious program that may harm the computer. (جنوب الجيزة 2025)

a. Downloads b. Viruses
c. Software d. Words

15 One of the precautions for online security is ..... .

a. using secure web browsers
b. communicating with people you don't know
c. using weak passwords
d. sharing your personal Information online (الجيزة – 6 أكتوبر 2025)

## 2 Put (✓) or (✗):

1 Cybersecurity is the protection of devices and personal information from electronic attacks. (جنوب الجيزة 2025) (السويس 2024) ( )

2 It is safe to click on unknown links. ( )

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3 Your personal information must be shared through social media platforms. ( ) (الجيزة – حدائق أكتوبر 2025) (السويس 2024)

4 One of the online safety precautions is using anti-virus software. ( ) (القاهرة – الزيتون 2025)

5 Cybersecurity protects our devices like mobiles and computers. ( )

6 It is safe to share your personal photos online. ( )

7 For online safety precautions, change your password every 3 months. ( ) (أسيوط 2024)

8 A strong password can be guessed easily. ( )

9 It is not important to report the threats that you face to a trusted person. ( ) (الإسكندرية – المنتزه أول 2025) (الدقهلية 2024)

10 Clicking unknown links online is safe. ( )

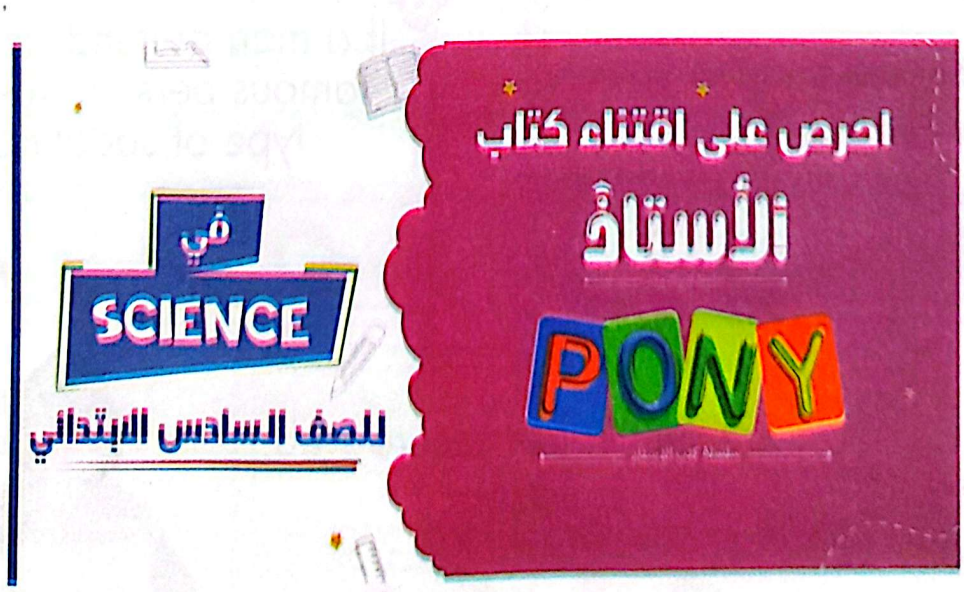
11 Malware means that cyber criminals pretend to be a business. ( ) (الإسكندرية – شرق 2024)

12 Spoofing can lead to data and money loss. ( )

13 One of the online safety precautions is communicating with unknown individuals. ( ) (القاهرة – الزيتون 2025)

14 To be safe online, you should use safe web browsers. ( ) (القليوبية 2025)

15 Sharing hobbies and drawings online is unsafe. ( )





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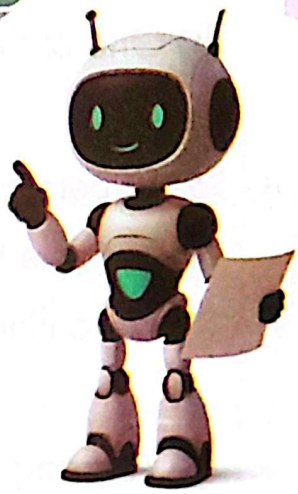
# Play with PONY



Guide the robot to deal with cybersecurity threats by choosing true 👍 and false 👎:

1. It is safe to click on unknown links.

2. You should install anti-virus software.

3. Malware is a type of cybersecurity threats.

4. You should ignore privacy settings.

5. You should change your password every 3 years.

6. If a man pretends to be a famous person, this is a type of spoofing.

7. You should use secure web browsers.

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# Lesson 4 Online Financial Trading

## 1 Intellectual Property Rights:

- Intellectual Property Rights mean the protection of anything new and creative that a person produces.

**Examples:**

1. Inventing a new game.
2. Writing a story.
3. Painting a picture.

- These rights make you the only owner of your work.

- حقوق الملكية الفكرية: تعني حماية أي عمل جديد ومُبتكَر يقوم به الفرد.
- من أمثلتها:
  1. اختراع لعبة جديدة.
  2. كتابة قصة.
  3. رسم لوحة.
- هذه الحقوق تجعل الشخص المالك الوحيد لعمله.

## 2 Copyright:

- Copyright is part of the intellectual property rights.
- It is related to artistic and literary works, such as:
  1. Songs.
  2. Movies.
  3. Books.
- In Egypt, there is a special law that protects them.
- The main goal of copyright law is to encourage creators to produce more.

- **حقوق الطبع والنشر:** هي جزء من حقوق الملكية الفكرية، وهي متعلقة بالأعمال الفنية والأدبية مثل: الأغاني، والأفلام، والكتب. في مصر، هناك قانون خاص لحمايتها، والهدف من ذلك هو تشجيع المبدعين على إنتاج المزيد.

## 3 Creative Commons:

- It refers to works that have been granted permission to share by the creator.

- **المشاع الإبداعي:** يشير إلى الأعمال التي تم منح مُبتكِرها الإذن بمشاركتها.



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# البورصة والتداول الإلكتروني Stock Exchange and E-trading

## A Stock Exchange

- It is a large market for buying and selling company stocks.
- These stocks are called shares.

• البورصة: سوق كبير لبيع وشراء أسهم الشركات.
• تُسمى هذه الأسهم حِصَصًا.

## Stocks (Shares)

- They are a small part of a company's ownership.
- When you buy a share, you become a small partner in that company.
- If the company makes profits, you also make them.

• السهم: هو جزء صغير من ملكية الشركة، وعندما تشتري سهمًا تصبح شريكًا صغيرًا فيها، وإذا ربحت الشركة، فإنك تربح معها.

# التداول الإلكتروني Electronic Financial Trading (E-Trading)

- In the past, people had to go to the stock exchange builiding to buy and sell shares.
- Now, it can be done easier using special Internet apps to buy and sell shares from anywhere.
- This is called E-trading.

• في الماضي، كان على الناس الذهاب إلى مبنى البورصة للتداول، أما الآن فأصبح الأمر ممكنًا من أي مكان من خلال تطبيقات خاصة عبر الإنترنت، وهذا النظام يُسمى التداول المالي الإلكتروني.

## How E-Trading Helps in Financial Consultation

## كيف يساعد التداول المالي الإلكتروني في تقديم استشارات مالية؟

## Robo-advisors

- They're online applications that provide financial guidance and services.

• روبوتات الاستشارة: هي تطبيقات عبر الإنترنت تُوفِّر التوجيه والخدمات المالية.



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## Functions of Robo-advisors

### 1 Reads information quickly

- The robot can read thousands of company news in seconds.
- For example, if a chocolate company announces a new product, the robot knows immediately.

• الروبوت يستطيع قراءة آلاف الأخبار عن الشركات في ثوانٍ. مثلًا: إذا أعلنت شركة شوكولاتة عن منتج جديد، فإن الروبوت سيعرف الخبر فورًا.

### 2 Provides advice

- After reading the information, the robot gives simple advice.
- **Examples:** "It is better to buy the chocolate company shares now because their price will rise."

• بعد قراءة جميع المعلومات، يقدم الروبوت نصيحة مبسطة، مثل: «من الأفضل شراء أسهم شركة الشوكولاتة الآن؛ لأن سعرها سيرتفع».

### 3 Helps in decision-making

- The robot does not decide instead of the person.
- It only provides smart support to make the best decision.

• الروبوت لا يتخذ القرار بدلًا من الإنسان، لكنه يقدم دعمًا ذكيًا لمساعدته في اتخاذ أفضل قرار.

### أهم الكلمات والمصطلحات

| | | | | | |
|---|---|---|---|---|---|
| Creative Commons | المشاع الإبداعي | Independence | استقلالية | Virtual market | سوق افتراضي |
| Creator | مبتكر | Company's ownership | ملكية الشركة | Investor | مستثمر |
| Buyer | مشتر | Broker | وسيط | Traditional settings | البيئات التقليدية |
| Seller | بائع | Granted permission | منح الإذن | Trades | صفقات |
| Company stocks | أسهم الشركة | Public | عام | Guidance | توجيه |
| Options | بدائل – خيارات | Market sector | قطاع السوق | Efficient | كفء |
| User-friendly | سهل الاستخدام | Decision-making | اتخاذ القرار | Building | مبنى |



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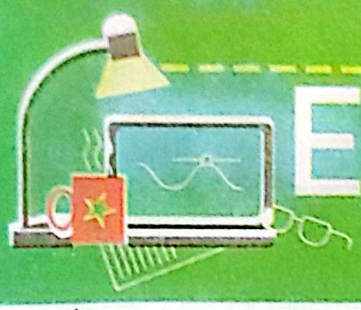

# Exercises on Lesson 4

## 1 Choose the correct answer:

1 ..... is/are part of the intellectual property rights.

a. Copyrights b. Stocks

c. E-trading d. none of them

2 Copyrights protect ..... .

a. movies b. songs c. books d. all of them

3 ..... refer(s) to works that have been granted permission to share by the creator. (الإسكندرية – المنتزه أول 2025) (جنوب الجيزة 2025)

a. Copyrights b. Creative Commons

c. Outlook d. Hacking

4 ..... is a market where buyers and sellers deal in units of company stocks. (الإسكندرية – العجمي 2025) (الجيزة – الدقي 2025)

a. Online shopping b. Stock exchange

c. A supermarket d. Copyright (القاهرة الجديدة 2024)

5 ..... allow(s) investors to make trades on their own through websites or applications.

a. Brokers b. E-trading

c. Robo-advisors d. None of them

6 ..... is an online application that provides inquiries, guidance, and financial services to customers. (الإسكندرية – المنتزه ثان 2025)

a. Stock broker b. Robo-advisor

c. Stock exchange d. Financial trading

7 In stock exchange, stocks are called ..... .

a. money b. shares

c. e-commerce d. bonds (الجيزة – حدائق أكتوبر 2025)



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8 The main goal of copyright law is to ..... creators to produce more.

a. encourage b. stop c. block d. ignore

9 The stock exchange is similar to a ..... but for shares.

a. bank b. school c. market d. shop

10 Copyrights include written and ..... materials. (المنيا 2024)

a. visual b. audio c. video d. all of them

11 When you buy a share, you become a ..... in the company.

a. customer b. partner c. seller d. visitor

12 If the company makes profits, the shareholder will also ..... .

a. cry b. lose c. win d. quit

13 ..... allows buying and selling shares online.

a. A supermarket b. E-Trading c. Game trade d. Shop trade

14 The robo-advisor in stock exchange provides ..... to the user.

a. advice b. money c. shares d. food

## 2 Put (✓) or (✗):

1 Copyrights include only written material. (قنا – نجع حمادي 2025) ( )

2 Intellectual property rights protect someone's invention or creation from being copied by others. ( )

3 A stock exchange is a market where buyers and sellers deal in units of company stocks. (المنوفية – شبين الكوم 2025) (الإسكندرية – وسط 2024) ( )

4 In Egypt, there is no law that protects copyright works. ( )

5 When you buy a share, you become a small partner in the company. ( )

6 Creative Commons refers to works that have been granted permission to share by the creator. (الإسكندرية – المنتزه ثان 2025) (الإسكندرية – شرق 2025) ( )

7 If a company makes profits, shareholders will lose. ( )



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8 In the past, trading shares was possible only by visiting the stock exchange building. ( )

9 Robo-advisors are human financial experts. ( )

10 E-trading allows people to trade from anywhere using apps. ( )

11 Electronic financial trading hinders the speed of performing investment activities over the Internet. (الإسكندرية – برج العرب 2024) ( )

12 The Robo-advisor in stock exchange makes financial decisions instead of the investor. ( )

13 Stock exchange is known as a knowledge bank where members exchange their opinions. (القاهرة – الزيتون 2025) ( )

14 Robo-advisors can read thousands of company news in a few seconds. ( )

15 The main role of robo-advisors is to provide support to help people make better decisions. ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 Robo-advisors | a. made the process of buying and selling shares from anywhere easier. |
| 2 E-trading | b. is a small part of a company's ownership. |
| 3 A stock exchange | c. are online applications that provide financial guidance and services. |
| 4 A share | d. is the protection of artistic and literary works, such as songs, movies, and books. |
| 5 Copyright | e. is a market where buyers and sellers deal in units of company stocks. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

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# Test Yourself on Lessons 3&4

## 1 Choose the correct answer:

1 Cybersecurity is the ..... of personal information and devices.
a. protection b. threat c. destruction d. piracy (الإسماعيلية 2024)

2 Multi-factor authentication requires at least ..... to identify yourself. (أسيوط 2024)
a. three methods b. two methods c. one method d. none of them

3 Strong passwords must be ..... .
a. easy to guess b. complex c. short d. simple

4 Your ..... should have at least eight random characters.
a. fingerprints b. encryption c. passwords d. emails (الغربية 2024)

5 Copyright is considered ..... of the intellectual property rights.
a. all b. part c. none d. double

6 A share represents a ..... of a company's ownership.
a. small part b. large part c. toy d. loan

7 ..... will scan your face using your device's camera.
a. Facial recognition b. Fingerprint
c. MFA d. Encryption (القاهرة – عين شمس 2024)

## 2 Put (✓) or (✗):

1 Sharing your password with a friend is safe. ( )
2 Spoofing can lead to data and money loss. ( )
3 Strong passwords protect your devices from theft. (الإسكندرية – وسط 2024) ( )
4 Malware is a type of friendly software. (أسيوط 2025) ( )
5 MFA stands for Multi-Factor Authentication. (القاهرة – عين شمس 2024) ( )
6 To be safe online, you should use safe web browsers. ( )
7 You can share personal information online. (الإسكندرية – وسط 2024) ( )
8 Cybersecurity is the protection of only your devices from risks. ( )

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# Play with PONY

Help the robot know winch content is copyrighted and which is not.

© Copyrighted content

Non-copyrighted content

Creative Commons

Inventions

Painting a picture

Movies

Songs

Public domain

Writing a story

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# Lesson 5 Cloud Computing

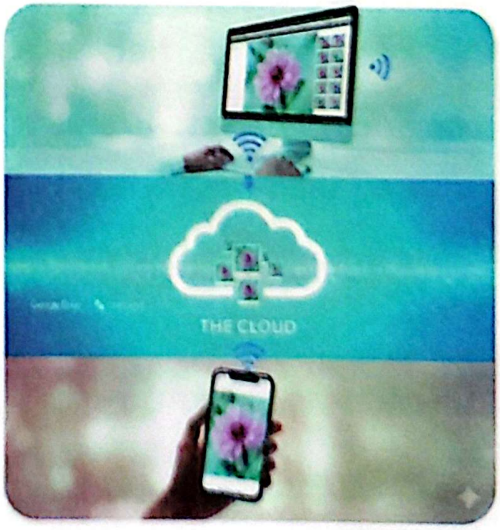
## Cloud Computing

- Cloud computing is like a very large **storage room** on the Internet.
- It allows **storing** data and programs on servers through the Internet.
- You can store your photos, work, games, and files.
- Cloud computing is the best place to store your important files because it keeps them safe from loss or damage.
- You can **access** them anytime, anywhere, from any device connected to the Internet.
- It allows you to **share** files with others.

- الحوسبة السحابية تشبه غرفة تخزين كبيرة جدًّا على الإنترنت.
- تسمح بتخزين البيانات والبرامج على خوادم عبر الإنترنت.
- يمكنك تخزين الصور والأعمال والألعاب والملفات.
- الحوسبة السحابية هي أفضل مكان لتخزين ملفاتك المهمة؛ لأنها تحميها من الضياع أو التلف.
- تستطيع الوصول إليها في أي وقت ومن أي مكان عبر أي جهاز متصل بالإنترنت.
- تتيح لك مشاركة الملفات مع الآخرين.

### Examples:

- When you take a picture with your mobile phone, it can be saved automatically on the cloud, such as Google Drive or OneDrive.
- Later, when you open your computer, you will find the same picture available there too.




- عندما تلتقط صورة بهاتفك، يمكنك حفظها تلقائيًّا على السحابة مثل Google Drive أو OneDrive.
- بعد ذلك، يمكنك فتح جهاز الكمبيوتر الخاص بك، وستجد الصورة موجودة هناك أيضًا.

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# The Advantages and Disadvantages of Cloud Computing

## Advantages (Benefits)

1. **Never lose files:** If your devices stops working, files remain safe in the cloud.
2. **Easy sharing:** You can share files with teachers or friends without sending an email.
3. **Save space:** It can free up space on your device.
4. **Easy access:** You can access the files from multiple devices the through Internet.
5. **Data encryption:** It provides extra security to prevent unauthorized access.

- **لا تفقد الملفات:** إذا تعطل جهازك، فإن الملفات تبقى آمنة في السحابة.
- **سهولة المشاركة:** يمكنك مشاركة الملفات مع المعلم أو الأصدقاء بدون بريد إلكتروني.
- **توفير مساحة:** يقلل من استخدام التخزين على جهازك.
- **سهولة الوصول:** يمكنك الوصول للملفات من عدة أجهزة متصلة بالإنترنت.
- **تشفير البيانات:** تقدم طبقة حماية إضافية لمنع الوصول غير المصرح به.

## Disadvantages (Risks)

1. **Requires Internet:** You can't access the files if you don't have Internet.
2. **Security risks:** Your files may be unsafe if your password is not strong or if the cloud is hacked.
3. **Additional cost:** You may need to pay for extra storage space.

- **يتطلب إنترنت:** لا يمكن الوصول للملفات دون اتصال بالإنترنت.
- **مخاطر أمنية:** الملفات قد تكون غير آمنة إذا كانت كلمة السر ضعيفة أو تم اختراق السحابة.
- **تكلفة إضافية:** قد تحتاج إلى دفع المال عند الحاجة لمساحة تخزين أكبر.



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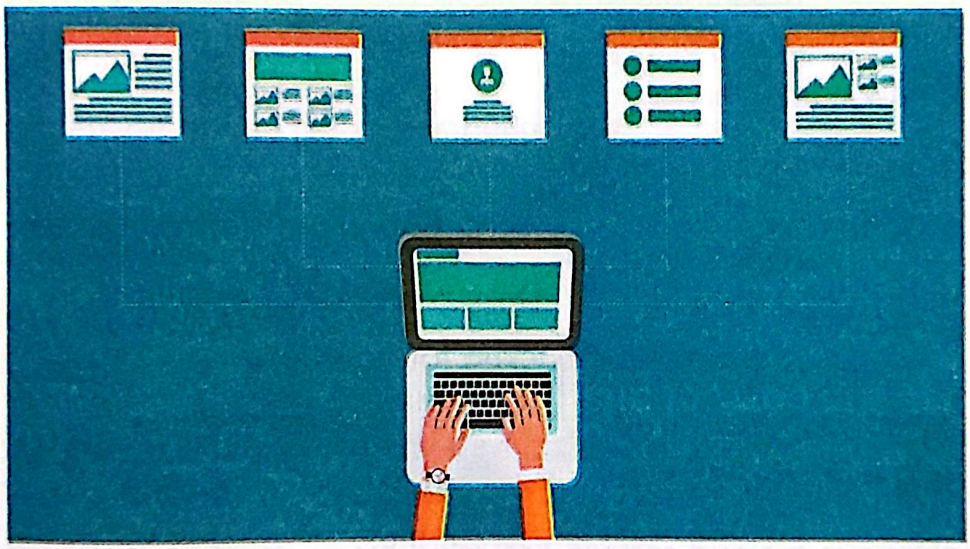
## Examples of Cloud Computing Service Providers

1. **Google Drive:** It is one of the most famous service providers.
   - It is used for **storing** files and **accessing** them from anywhere.
2. **OneDrive:** It is a service provided by **Microsoft**, similar to Google Drive.
3. **Dropbox:** It is an application created by the Dropbox company.

- أمثلة على مزودي خدمة الحوسبة السحابية:

1. **Google Drive** من أشهر هذه الخدمات، ويُستخدم **لتخزين الملفات والوصول إليها من أي مكان.**
2. **OneDrive** خدمة تابعة لشركة **مايكروسوفت**، وتشبه **Google Drive.**
3. **Dropbox** تطبيق تابع لشركة **Dropbox.**



### أهم الكلمات والمصطلحات

| | | | |
|---|---|---|---|
| Free up | يُخلي | Multiple | متعدد |
| Manage | يدير | Platforms | منصات |
| Space | مساحة | Storage | تخزين |
| Occur | يحدث | Separate | منفصل |
| Authorized users | مستخدمون مصرح بهم | Organize | ينظم |

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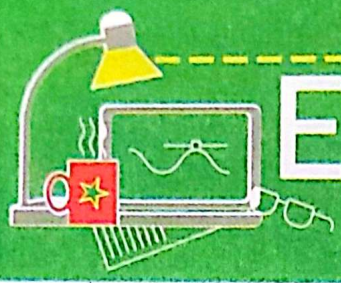

# Exercises on Lesson 5

## 1 Choose the correct answer:

1 Could computing allows storing data and programs through ..... .
a. a flash drive b. a CD/DVD c. the Internet d. an HDD

2 Cloud computing protects your files from ..... .
a. loss b. damage c. duplicates d. both a and b

3 To access your files in the cloud, you must have ..... .
a. an anti-virus program b. an Internet connection
c. a new computer d. none of them

4 Google Drive is considered ..... .
a. a video app b. a cloud storage service
c. a password manager d. a search engine

5 ..... provides a backup for your files. (القليوبية 2024)
a. A web browser b. A search engine
c. Social media d. Cloud computing

6 OneDrive is a cloud service provided by ..... .
a. Microsoft b. Apple c. Dropbox d. Google

7 ..... is/are example(s) of cloud computing. (الشرقية – الإبراهيمية 2025)
a. Google Drive b. One Drive
c. both a and b d. None of them

8 A disadvantage of cloud computing is ..... .
a. the limited storage b. the Internet dependency
c. the slow processing d. that there is no file sharing

9 Saving a backup copy of your files is one of the ..... .
a. cloud computing advantages b. drawbacks of social media
c. cloud computing disadvantages d. none of them (الإسكندرية – وسط 2024)



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10 The storage application in Microsoft 365 is named ..... .
a. One Drive b. Fourth Drive
c. Power Drive d. Google Drive (جنوب الجيزة 2025)

11 Which of the following is NOT a cloud computing service provider?
a. Google Drive b. OneDrive
c. Dropbox d. Microsoft Word

12 An advantage of cloud computing is ..... .
a. saving storage b. data encryption
c. never losing files d. all of them

13 ..... allows you to directly share files with authorized users.
a. Cloud computing b. Social media
c. A web browser d. None of them

14 Data encryption in cloud computing that helps ..... .
a. reduce the cost b. speed up the Internet
c. prevent unauthorized access d. delete old files

15 One Drive allows you to ..... . (الإسكندرية – المنتزه أول 2025)
a. store your files b. share your files
c. access your files from any device d. all of them

## 2 Put (✓) or (✗):

1 Cloud computing enables users to access files and data from anywhere at any time. (الإسكندرية – شرق 2024) ( )

2 OneDrive and Google Chrome are examples of cloud computing. ( )

3 Cloud storage services are always free. (القاهرة الجديدة 2024) ( )

4 Cloud computing allows storing files and programs on servers through the Internet. ( )

5 Cloud computing is like a storage room on the Internet. ( )

6 One of the disadvantages of cloud computing is that it provides a backup for your files. (الإسكندرية – شرق 2025) (المنوفية – شبين الكوم 2025) ( )

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7 Extra storage in the cloud may require payment. ( )

8 Cloud computing has only benefits and no risks. ( )

9 OneDrive can't help you share work with your friends. (الدقهلية 2024) ( )

10 Data encryption in the cloud helps prevent unauthorized access. ( )

11 Google Drive, OneDrive, and Dropbox are examples of cloud services. ( )

12 Cloud computing is the best place to keep your important files safe. ( )

13 One of the advantages of cloud computing is that it provides an Internet-based service. (الإسكندرية – المنتزه أول 2025) ( )

14 OneDrive is a cloud service from Apple. ( )

15 Files stored on the cloud can be accessed without an Internet connection. (قنا – نجع حمادي 2025) ( )

## 3 Choose from column (A) what suits it in column (B):

| Column (A) | Column (B) |
|---|---|
| 1 OneDrive | a. protects your files from loss or damage. |
| 2 Cloud computing | b. is an example of cloud computing by Google. |
| 3 Data encryption | c. is a cloud computing service provided by Microsoft. |
| 4 Goggle Drive | d. you may need to pay for extra storage. |
| 5 A disadvantage of cloud storage is that | e. converts data into a code to prevent unauthorized user access. |

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

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# Play with PONY

Help the robot learn the advantages (PROS) and disadvantages (CONS) of cloud computing.

1. It offers password-protected data storage and data encryption. ☐ ☐
2. If you lose your Internet connection, you won't be able to access the files. ☐ ☐
3. It allows you to log in and access your files from multiple devices. ☐ ☐
4. It allows you to directly share files with authorized ☐ ☐
5. ou ... d to p y for extra storage space. ☐ ☐
6. Your information may be compromised if the cloud storage is a victim of data breach. ☐ ☐
7. It frees up space on your device. ☐ ☐
8. It provides a backup for your files. ☐ ☐

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# Lesson 6 Cloud Storage Applications

- If you take a photo, and you want your friend in another country to see it.
- The solution: You can send it via the Internet, through cloud applications like WhatsApp.
- Cloud storage is safer compared to traditional storage on your device.

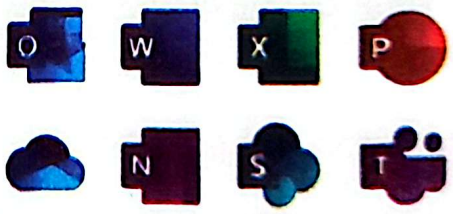
- تخيل أنك التقطت صورة جميلة، وتريد أن يراها صديقك، لكنه موجود في بلد آخر.
- **الحل:** يمكنك إرسالها عبر الإنترنت من خلال التطبيقات السحابية مثل: تطبيق واتساب.
- **التخزين السحابي** أكثر أمانًا مقارنة بالتخزين التقليدي على جهازك.

## Microsoft 365

- Microsoft 365 is one of the most important cloud-based programs.

- Microsoft 365 من أهم البرامج التي تعتمد على الحوسبة السحابية.

- It provides apps such as:
  1. **Microsoft Teams:** For communication and virtual meetings.
  2. **Word:** For writing documents.
  3. **Excel:** For creating tables and graphs.
  4. **PowerPoint:** For creating presentations.
  5. **OneDrive:** A storage and sharing application.



## OneDrive

- OneDrive is an example of cloud storage applications.
- It allows storing, sharing, and accessing files from any device if you have an Internet access.
- It is considered safer and more practical than traditional storage, which is limited to your own device.

- **OneDrive** مثال على تطبيقات التخزين السحابي.
- يسمح بتخزين ومشاركة والوصول إليها من أي جهاز بشرط توافر الإنترنت.
- يُعد أكثر أمنًا وفعالية من التخزين التقليدي المحدود بجهازك فقط.

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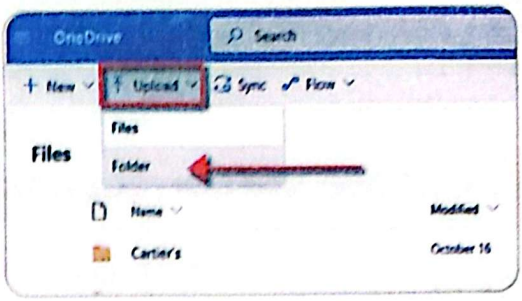
## How to upload files or folders to OneDrive:




1. Open the OneDrive app on your device, or visit the website through a browser.
2. Find the "Upload" or "Add" button at the top of the screen.
3. Click the button, then select the file or foler to save in the cloud.
4. Wait while your device uploads the file.
5. A small sign will appear to confirm the file is saved successfully in OneDrive.
6. Now, you can access the file from any device using your OneDrive account.

1. افتح تطبيق **OneDrive** على جهازك، أو زُر الموقع من خلال المتصفح.
2. ابحث عن زر «**رفع**» أو «**إضافة**» أعلى الشاشة.
3. اضغط على الزر ثم **اختر الملف أو المجلد** لحفظه في السحابة.
4. انتظر بينما يقوم جهازك **برفع الملف**.
5. سيظهر **إشعار تأكيد صغير** عند نجاح عملية الحفظ في **OneDrive**.
6. الآن يمكنك الوصول إلى هذا الملف من أي جهاز آخر مسجل دخولك عليه بحساب **OneDrive**.

### أهم الكلمات والمصطلحات

| | | | |
|---|---|---|---|
| Cloud storage | التخزين السحابي | Practical | عملي |
| Upload | رفع ملفات على الإنترنت | Allow | يسمح |
| Traditional storage | التخزين التقليدي | Assignment | تكليف |
| Option | اختيار | | |

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# Exercises on Lesson 6

## 1 Choose the correct answer:

1 ..... is a technology that enables the storage of data and software and gives access to them through the Internet.

a. Cloud computing
b. Programming
c. Operating system
d. Database (أبناؤنا في الخارج 2024)

2 Traditional storage saves data only on the ..... .

a. cloud
b. Internet
c. servers
d. device

3 Sending a photo to a friend abroad can be done via ..... .

a. traditional storage
b. cloud apps
c. network cables
d. faxes

4 ..... is used to help you write down your schoolwork.

a. PowerPoint
b. Excel
c. MS Teams
d. Word (أسيوط 2024)

5 ..... is a platform that allows you to store, share, and access files from any device.

a. PowerPoint
b. Outlook
c. Word
d. OneDrive (الإسكندرية – شرق 2025)

6 We use ..... to create presentations.

a. MS Teams
b. Word
c. PowerPoint
d. Excel (الجيزة – حدائق أكتوبر 2025)

7 The storage application in Microsoft 365 is named ..... .

a. OneDrive
b. Word
c. Excel
d. PowerPoint

(القليوبية 2025) (الإسكندرية – شرق 2025)



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8 An example of the cloud apps used for sharing files and photos is ..... .
a. Excel b. PowerPoint c. WhatsApp d. Paint

9 The "Upload" or "Add" button is usually found at the ..... of the screen.
a. bottom b. right side c. middle d. top

10 After uploading on OneDrive, the file is saved in the ..... .
a. local memory b. external hard disk
c. cloud d. operating system

11 To upload files or folders to OneDrive, select ..... .
a. Upload b. Save As
c. Download d. Share (الإسكندرية – المنتزه أول 2024)

12 To access the uploaded files on OneDrive from another device, you need a/an ..... .
a. webcam b. Windows OS
c. Microsoft Account d. Google Account

13 OneDrive is mainly used for ..... .
a. file storage b. file sharing c. file access d. all of them

14 Microsoft 365 provides a set of applications, such as ..... .
a. HTML b. Microsoft Teams
c. Internet d. Paint (الجيزة – الدقي 2025)

15 Microsoft 365 suite includes ..... .
a. Word b. Excel c. PowerPoint d. all of them

16 In OneDrive platform, you can upload ..... . (الإسكندرية – المنتزه أول 2025)
a. folders b. files c. sub-folders d. all of them

17 To upload a file or folder on OneDrive, you should first ..... Microsoft Office.
a. download b. sign in to
c. share d. log out of (الشرقية – الإبراهيمية 2025)

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## 2 Put (✓) or (✗):

1. Traditional storage is safer and better than cloud storage. ( )
2. Microsoft 365™ is one of the most popular software that deals with cloud computing applications. (بورسعيد 2024) ( )
3. OneDrive allows you to store, share, and access files from any device. (الإسكندرية – المنتزه ثانٍ 2024) ( )
4. OneDrive is a Google Workspace storage application. ( )
5. OneDrive can only be accessed on a computer. ( )
6. To access OneDrive, users must have a Microsoft Account. ( )
7. Cloud storage allows access to the files without Internet. ( )
8. You can share a picture with a friend abroad using a cloud app. ( )
9. You cannot access the uploaded files on OneDrive from another device. ( )
10. The files saved on OneDrive are only accessible from the device they were saved on. ( )
11. To upload files or folders to OneDrive, you need to sign in to Microsoft Office first. ( )

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# Test Yourself on Lessons 5&6

## 1 Choose the correct answer:

1 If you want to share files without sending an email, you can use ..... storage.
a. traditional b. local c. cloud d. external

2 The 'Upload' button on the OneDrive screen is at the ..... of the screen.
a. bottom b. middle c. left side d. top

3 Cloud computing stores data and programs through ..... .
a. discs b. servers c. printers d. you PC

4 The ..... platform allows you to store and share your files.
a. Calculator b. Paint
c. Help d. OneDrive (أسيوط 2025)

5 WhatsApp is an example of a/an ..... application.
a. email b. cloud
c. traditional d. physical

6 Microsoft 365 suite includes ..... .
a. Word b. Teams
c. Excel d. all of them

7 Data encryption in cloud computing helps ..... .
a. reduce the cost b. speed up the Internet
c. prevent unauthorized access d. delete old files

## 2 Put (✓) or (✗):

1 Cloud computing requires an Internet connection. ( )
2 Cloud storage is often a fee-based service. (القاهرة – عين شمس 2024) ( )
3 You cannot upload your files to OneDrive. (المنوفية – شبين الكوم 2025) ( )
4 An Internet connection is unnecessary for cloud access. ( )
5 Cloud computing allows storing text files only. ( )
6 Extra storage in the cloud may require payment. ( )
7 OneDrive allows you to store, share, and access files from any device. ( )
8 Cloud computing is free of risks and hacking. ( )

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# Play with PONY

Help the robot match each Microsoft App to its correct function.

OneDrive

1 ( )

An email platform

PowerPoint

2 ( )

Creating tables and graph

MS Word

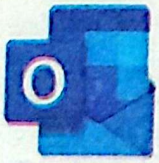
3 ( )

A storage and sharing apps

MS Excel

4 ( )

Virtual meetings



Outlook

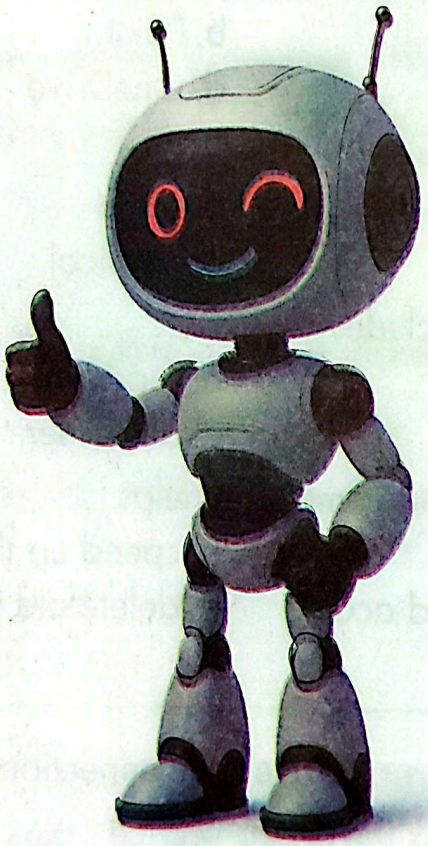
5 ( )

Writing documents

MS Teams

6 ( )

Creating presentations



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# Play with PONY

GOOD LUCK

| | | |
|---|---|---|
| 10- MS Teams is a Google app used to create virtual meetings. ( ) | $ 1.000.000 |
| 9- Electronic games may promote violence. ( ) | $ 600.000 |
| 8- MFA needs at least two ways to confirm your identity. ( ) | $ 500.000 |
| 7- Scareware is a type of friendly software. ( ) | $ 100.000 |
| 6- It is safe to click on unknown links. ( ) | $ 50.000 |
| 5- Copyright includes only written material. ( ) | $ 10.000 |
| 4- Brokers are online apps offering financial guidance. ( ) | $ 2.000 |
| 3- Data breach converts data into a code. ( ) | $ 500 |
| 2- OneDrive is a storage application from Google. ( ) | $ 200 |
| 1- The email platform of Office365™ is Outlook. ( ) | $ 100 |

LEVELS

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# Summary of Unit 2 Digital Safety and Security Precautions

## Lesson 1

» Disadvantages of online games:

1. **Physical dangers:**
   1. Back and neck problems
   2. Eye dryness and blurry vision
   3. weight gain
2. **Psychological dangers:**
   1. Bullying: don't respond and inform your family.
   2. Gaming addictions may cause aggressive feelings. This negatively affects your study, sleep and family and friends time.
3. Security dangers:
   1. Chatting with strangers.
   2. Sharing personal information.
   3. Clicking unknown links; these links may lead to stealing your personal information or spreading viruses.

» Responsible Gaming Practices:

To avoid physical dangers:

1. Take breaks from the screen.
2. Stay active and exercise.

To avoid psychological dangers:

1. Set fixed play times.
2. Don't use games to escape problems.

To avoid security dangers:

1. Don't share your personal info online.
2. Play only with people you know.
3. Use privacy settings.

---

## Lesson 2

» Passwords:

- Use at least eight random characters of letters, numbers, and symbols.
- Secure passwords must be difficult to guess.

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- Multi-Factor Authentication (MFA):
  - It requires at least two ways to identify yourself.
- Fingerprint Authentication:
  - It scans your finger for confirmation.
- Facial Recognition:
  - It uses your device's camera to recognize your face.

- Full Encryption:
  - It protects your information.
- If your data is exposed to risk:
  1. Inform your parents or a trusted person.
  2. Report data theft to the responsible authorities.

## Lesson 3

- Cybersecurity: is the protection of our devices and our personal information from any danger on the Internet such as hackers or viruses.
- Online Safety Precautions:

**Use Strong Passwords:**

1. Create a strong password that's hard to guess.
2. Change it every 3 months.

**Safe Sharing:**

1. Don't share personal info online.
2. Avoid posting photos, phone numbers, addresses, or school names.
3. Share positive ideas, drawings, or hobbies instead.

**Dealing with Strangers:**

1. Don't communicate with people you don't know.
2. Avoid anyone who makes you feel uncomfortable.

**Security Software:**

1. Use anti-virus software.
2. Use secure web browsers.



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## SUMMARY of Unit 2

» Types of Cybersecurity Threats:

1. **Malware:**
   1. **Problem:** Fake messages claiming your device has a virus and asking you to click a link.
   2. **Solution:** Ignore the message, don't click the link, and verify the source.
2. **Spoofing:**
   1. **Problem:** Fake requests from companies or famous people asking for personal information.
   2. **Solution:** Never share personal info to avoid theft or money loss.

# Lesson 4

» **Intellectual Property Right:** It protects new and creative works like inventing a game, writing a story, painting a picture.

» **Copyright:**

1. It's a part of the intellectual property right.
2. It protects artistic and literary works, such as songs, movies, and books.
3. It encourages creators to produce more.

» **Creative Commons:** Works that have been granted permission to share.

» **Stock Exchange:**

– It's a market for buying and selling company stocks (shares).

» **Stocks (shares):** They are a small part of a company's ownership.

» **E-Trading:**

1. In the past, people had to visit the stock exchange to buy and sell shares.
2. Now, special Internet apps allow trading from anywhere.

» **How E-Trading Helps in Financial Consultation:**

1. Online apps provide financial guidance and services.
2. Robo-advisors are Internet applications that give financial advice.



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### Functions of Robo-advisors:

1. They analyze thousands of company news in seconds.
2. They provide simple advice based on the information.
3. They do not make decisions for the person; they only give advice to help them decide.

## Lesson 5

### Cloud Computing:

1. It's large online storage for data and programs.
2. It stores photos, work, games, and files.
3. You can access files anytime, anywhere, from any device.
4. You can share files easily with others.
5. It keeps important files safe from loss or damage.

### Advantages:

1. Never lose files.
2. Easy sharing.
3. Saving space.
4. Easy access.
5. Data encryption.

### Disadvantages:

1. Requires Interent.
2. Security risks.
3. Additional cost.

### Examples of Could Computing Service Providers:

1. **Google Drive:** It's a popular service for storing and accessing files from anywhere.
2. **OneDrive:** It's a Microsoft's service, similar to Google Drive.
3. **Dropbox:** It's a cloud storage application by the Dropbox company.

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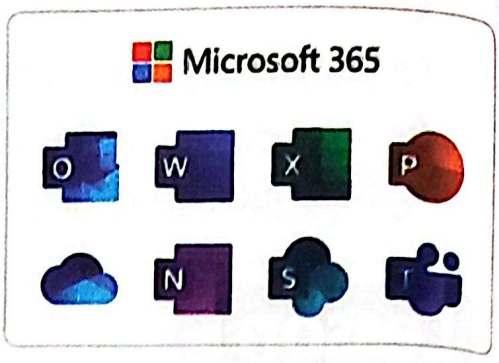
# Lesson 6




## Sharing Via Cloud:

- You can send photos or files to your friends in other countries using cloud apps like WhatsApp.
- Cloud storage is safer than traditional device storage.

## Microsoft 365:

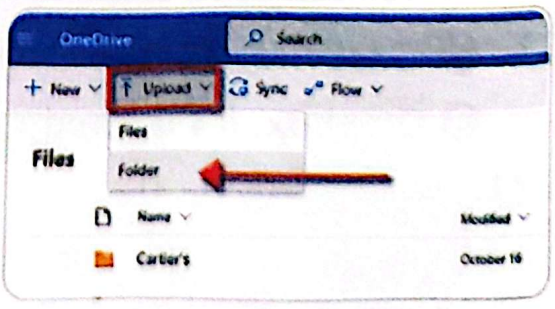
- It's an important cloud-based suite with apps like:

1. Teams
2. Word
3. Excel
4. PowerPoint
5. Outlook
6. OneDrive

## OneDrive:

- It's a cloud storage app for **storing**, **sharing**, and **accessing** files from any device with the Internet.
- It is safer and more practical than traditional storage limited to your device.

## How to upload files or folders to OneDrive:




1. Open the OneDrive app or website.
2. Click the "Upload" or "Add" button.
3. Select the file or folder to save in the Cloud.
4. Wait for the uploads to complete.
5. Look for the confirmation sign that the file is saved.
6. Access the file from any device using your OneDrive account.



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# Revision on Unit 2 Digital Safety and Security Precautions

## Model Exam 1

### 1 Choose the correct answer:

1 Sitting in the wrong position while playing games for a long time may cause ..... problems.

a. neck b. back c. arms d. both a and b

2 Electronic games can cause ..... and headaches.

a. hand strain b. arms pain

c. blurry vision d. none of them (الجيزة – العمرانية 2025)

3 Cloud computing helps save a lot of ..... on your device.

a. money b. time c. space d. energy

4 Protecting devices and data from viruses and hackers is called ..... .

a. cybersecurity b. data privacy

c. cloud storage d. traditional storage

5 ..... is the protection of devices and personal information from electronic attacks. (الإسكندرية – المنتزه أول 2024)

a. Cybersecurity b. Malware c. Scareware d. Spoofing

6 Providing a backup for your files is ..... .

a. one of the advantages of cloud computing

b. one of the disadvantages of cloud computing

c. both a and b d. none of them (السويس 2024)

7 ..... is a program that helps you create a presentation and share it with your colleagues.

a. Microsoft Outlook b. Microsoft PowerPoint

c. Microsoft Excel d. Microsoft Word (أبناؤنا في الخارج 2025)

### 2 Put (✓) or (✗):

1 Playing games for long hours can increase your weight. ( )

2 Multi-factor authentication is more secure than passwords only. ( )

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3 Cloud files can be accessed without Internet. ( )
4 Taking breaks protects you from gaming risks. ( )
5 Sharing your hobbies or ideas online is safe. ( )
6 Creative Commons always requires permission to share. ( )
7 Cloud computing adds security through data encryption. ( )
8 Copyrights protect books, songs, and art. ( )

## 1 Choose the correct answer:

1 Through ....., you can legally protect your invention or ideas.
a. digital footprint b. piracy (أبناؤنا في الخارج 2024)
c. scanner d. intellectual property

2 ..... is a security risk of electronic games.
a. Sharing personal data b. Clicking on unknown links
c. Eye dryness d. Both a and b

3 ..... scans your face using the device's camera to confirm your identity. (القاهرة الجديدة 2024)
a. Fingerprint authentication b. Facial recognition
c. Full encryption d. MFA

4 OneDrive is NOT used for ..... .
a. storing files b. sharing files
c. printing documents d. accessing files

5 Files in the cloud will never be ..... even if your device breaks.
a. shared b. updated c. lost d. found

6 Services such as OneDrive and Google Drive are examples of ..... .
a. Google services b. cloud computing
c. Windows d. drives (الإسكندرية – وسط 2025)

7 Microsoft 365 provides a set of productivity applications such as ..... .
a. HTML b. Microsoft Teams
c. Internet d. viruses (المنوفية – شبين الكوم 25

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## 2 Put (✓) or (✗):

1 Google is a cloud computing service provider. (الدقهلية 2025) ( )

2 Use the anti-virus software to do a sweep of your computer and remove any viruses. (الجيزة – الدقي 2025) ( )

3 Spoofing is pretending to be someone famous online to steal data. ( )

4 MFA confirm your identity using only one method. (الإسكندرية – العجمي 2025) ( )

5 Playing too often (too much) can enhance your sleep. (الجيزة – الدقي 2025) ( )

6 Cloud computing provides an extra layer of security by offering data encryption. (القاهرة – مصر القديمة 2025) ( )

7 Copyright includes written material only. (دمياط 2024) ( )

8 Cloud files remain safe even if your device is lost. ( )

# Model Exam 3

## 1 Choose the correct answer:

1 Intellectual property rights protect your ..... .

a. stories b. drawings c. inventions d. all of them

2 A fake domain pretending to be a business or an email account that has the name of a trusted service is an example of ..... .

a. anti-virus b. scareware c. spoofing d. malware

(الإسكندرية – وسط 2024)

3 ..... allows you to store, share, and access files from any device.

a. HTML language b. An operating system

c. OneDrive d. Both a and b

(الإسكندرية – العجمي 2025) (جنوب الجيزة 2025)

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4 In e-trading, ..... read the news very fast and give advices.
a. robo-advisors b. sales c. humans d. traditional

5 ..... includes written, visual, audio, video, and web materials.
a. Malware b. Electronic financial trading
c. Copyright d. Programming language

(الجيزة – العمرانية 2025) (الجيزة – 6 أكتوبر 2025) (الدقهلية 2025)

6 In stock exchange, stocks are called ..... . (بورسعيد ٢٠٢٤)
a. spoofing b. shares c. parts d. malware

7 ..... is/are online applications that provide financial guidance and services.
a. Egyptian Knowledge Bank b. Robo-advisors
c. Copyrights d. Financial brokers

(الإسكندرية – المنتزه ثانٍ 2025) (الإسكندرية – شرق 2025)

8 If you are exposed to a cyber security threat, you should ..... it to a trusted adult. (القاهرة الجديدة 2024)
a. accept b. report c. ignore d. delete

## 2 Put (✓) or (✗):

1 The stock exchange is defined as a knowledge bank where members exchange their ideas. (بورسعيد 2025) ( )

2 A cloud is like a big storage room online. ( )

3 Gaming addiction may lead to aggressive feelings. ( )

4 Robo-advisors are online applications that provide financial guidance and services. (القاهرة – بهتيم 2024) ( )

5 Strong passwords contain at least eight characters.
(الجيزة – حدائق أكتوبر 2025) ( )

6 Malware is known as a type of friendly software. (الجيزة – 6 أكتوبر 2025) ( )

7 Multi-factor authentication requires only one method to identify yourself. ( )



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# Model Exam 4

## 1 Choose the correct answer:

1 Some electronic games may cause aggressive feelings, and this is considered one of the ..... dangers.

a. physical
b. environmental
c. psychological
d. security (الإسكندرية -المنتزه ثانٍ 2025)

2 Traditional storage saves files only on ..... .

a. your device
b. OneDrive
c. the server
d. an external drive

3 ..... is a market where buyers and sellers deal in units of company stocks called shares.

a. Stock exchange
b. A broker
c. A player
d. A market (الإسكندرية – وسط 2024)

4 ..... allow investors to make trades on their own through websites or applications. (العبور 2025)

a. Brokers
b. E-Trading
c. Robo-advisors
d. none of them

5 One of the steps that help you face cyber threats is ..... . (أبناؤنا في الخارج 2025)

a. using incredible applications
b. not updating security settings
c. using strong anti-virus software
d. not updating the programs regularly

6 Through ....., you can carry out deals from anywhere in the world. (أبناؤنا في الخارج 2025)

a. digital footprint
b. spam
c. piracy
d. electronic financial trading

7 A phone photo saved to ..... can later be found on your computer.

a. a flash drive
b. a friend's device
c. the cloud
d. an external drive



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## 2 Put (✓) or (✗):

1 It's a good idea to change all your passwords every three months. (الجيزة – العجوزة 2024) ( )

2 In stock exchange, these stocks are called shares. ( )

3 Psychological dangers include back problems because you stay hunched over while playing. (الإسكندرية – وسط 2025) ( )

4 Sharing personal information online is risky. ( )

5 Cloud storage is one of the cloud computing services. (المنيا 2024) ( )

6 Gaining weight is one of the electronic games advantages. (كفر الشيخ – دسوق 2024) ( )

7 OneDrive can't help you share work with your friends. (القاهرة – المرج 2025) ( )

8 MFA requires at least two ways of identifying yourself. ( )

(الإسكندرية – برج العرب 2024)

# Model Exam 5

## 1 Choose the correct answer:

1 If someone bullies you in online gaming, you should ..... .

a. not respond
b. inform your family
c. bully them
d. both a and b

2 You should not share your ..... because others can access your address, email, and phone number.

a. games
b. news
c. personal information
d. jokes

3 ..... refers to works that have been granted permission to share by the creator. (الشرقية – شبين الكوم 2025) (الشرقية – ديرب نجم 2025)

a. Creative Commons
b. Copyright
c. Financial trading
d. Hacking

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4 ..... is/are from the disadvantages of cloud computing.
a. Requiring an Internet connection
b. The need to pay for extra storage space
c. Both a and b
d. None of them (القليوبية – بنها 2024)

5 To avoid security dangers of electronic games, you should ..... .
a. share your personal information b. play with unknown people
c. use privacy settings d. take a break

6 The authentication type that scans your finger as a way of confirming its you is ..... .
a. face recognition b. MFA
c. fingerprint d. self-access (الإسكندرية – وسط 2024)

7 The technology used to unlock your phone using facial recognition is .....
a. assistive technology b. artificial intelligence
c. virtual reality d. port (القاهرة – غمرة 2025)

## 2 Put (✓) or (✗):

1 Your parents shouldn't participate in choosing the games. ( )
2 A cloud can save schoolwork, photos, and games. ( )
3 Games should be used to escape from problems. ( )
4 Clicking on unknown links may spread viruses. ( )
5 Online games can't impact your health. (الأزهر الشريف 2024) ( )
6 OneDrive is one of Google apps. ( )
7 Creative Commons always requires permission to share. ( )
8 Full encryption works on protecting your information so you're the only one who will have access to it. (القاهرة – الزيتون 2025) ( )

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# Final Exams

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## 1 محافظة القاهرة - إدارة الزيتون التعليمية 2025

### 1 Put (✓) or (✗):

1 Bluetooth is a technology that combines real world with a virtual world. ( )

2 Operating system is a software that controls all the computer functions. ( )

3 Assistive technology is a technology that helps people of determinations to enlargement (zoom) screen, and converts speech to text and vice versa. ( )

4 Fingerprint authentication is done by scanning your face using camera. ( )

5 Full encryption works on protecting your information so you're the only one who will have access to it. ( )

6 HTML is the standard programming language used to create a web-page. ( )

7 Stock exchange is known as a knowledge bank where members exchange their opinions. ( )

8 You can use keywords to search inside the database. ( )

9 If your face risks in online games, consult your parents. ( )

10 One of the online safety precautions is communicating with unknown individuals. ( )

### 2 Choose the correct answer:

1 Internet service provider is abbreviated as ..... .

a. ISP b. USB c. GPS d. GPR

2 ..... is considered a type of malware software.

a. scareware b. office programs

c. operating system d. identity theft

3 You can wear a headset to deal with a technology called ..... .

a. virtual reality b. digital footprint

c. piracy d. scanner



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4 ..... is a database that contains all the sources and items owned by a library.

**a.** Library catalog **b.** Internet **c.** Paint program **d.** Search engine

5 ..... is the tag that used to create a paragraph.

**a.** <i> **b.** <p> **c.** <h1> **d.** 

## 2 محافظة القاهرة - إدارة غمرة التعليمية 2025

### 1 Put (✓) or (✗):

1 The E-mail platform of Office365™ is Outlook. ( )

2 Search engines are group of information usually stored inside a computer. ( )

3 Assistive technology improve the life of people of determinations. ( )

4 The cables and wires in wired networks are plugged into holes are called switches. ( )

5 The Egyptian Knowledge Bank (EKB) is an example of "General database" for all Egyptians. ( )

### 2 Choose the correct answer:

1 Robot operating system (ROS) is a ..... program.

**a.** open-source **b.** free-wear
**c.** closed-source **d.** operating system

2 The technology used to unlock your phone using facial recognition is ..... .

**a.** assistive technology **b.** artificial intelligence
**c.** virtual reality **d.** ports

3 ..... is a technology that combines real world with a virtual world.

**a.** Bluetooth **b.** GPS
**c.** Digital camera **d.** Augmented Reality (AR)

4 The most important (common) commands used in word processing program are ..... .

**a.** copy **b.** cut **c.** paste **d.** all of them



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5 Anxiety and depression are considered from ..... dangers of over usage of electronic games.

a. security b. physically c. psychological d. environmental

## 3 Complete the missing parts using the words between the brackets:

(Malware - OneDrive - ISP - two - Virtual reality - three)

1 Microsoft 365 provides the storage application ..... .

2 Multi-Factor Authentication (MFA) requires ..... ways to verify your identity.

3 ..... is one of the greatest cyber threats.

4 Internet service provider is abbreviated as ..... .

5 ..... is used as a 3D environment that allows the user to interact as in reality.

## 3 محافظة الجيزة -إدارة الدقي التعليمية 2025

## 1 Put (✓) or (✗):

1 You can use keywords to search within the database. ( )

2 Artificial intelligence (AI) is the ability of computer to think only. ( )

3 Devices can be connected without wiring (wireless or Wi-Fi). ( )

4 Android runs on mac devices. ( )

5 Use anti-virus software to do a sweep of your computer and remove any viruses. ( )

6 Playing too often (too much) can help your sleep cycle. ( )

7 Multiplayer games can put your security at risk. ( )

8 A robot vacuum uses AI to avoid furniture and stairs. ( )

## 2 Choose the correct answer:

1 Microsoft 365 provides a set of productivity applications, such as ..... .

a. HTML b. Microsoft Teams

c. Internet d. Gmail

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2 A ..... is a market where buyers and sellers deal in unites of company stocks.

a. supermarket b. copyrights c. stock exchange d. malware

3 To write the largest heading on a web page, we use the tag ..... .

a. <h1> </h1> b. <h6> </h6>

c. <font> </font> d.  

4 MFA (Multi-Factor Authentication) requires at least ..... ways of identifying yourself.

a. three b. five c. two d. four

5 ..... is the on-demand storing and accessing of data and programs via remote servers on the Internet.

a. Cloud computing b. Downloading

c. Data saving d. Copyright

6 VR users often wear a ..... that provides views that immerse the user in another world.

a. VR headset b. printer c. disk d. glasses

## 3 Complete the missing parts using the words between the brackets:

(Google - HTML - Facial recognition - Malware - Feeling lonely - modem)

1 ..... is a cloud computing service provider.

2 ..... is one of the psychological dangers of electronic games.

3 A ..... converts the signal from the Internet service provider (ISP) into a digital signal.

4 ..... is a software that scans your face using your device's camera.

5 ..... is the greatest cybersecurity threat.

6 ..... is the standard programming language used to create web pages.

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## 4 محافظة الجيزة -إدارة العمرانية التعليمية 2025

### 1 Put (✓) or (✗):

1. You should play a lot of electronic games to fall asleep right away. ( )
2. Switches are intelligent devices. ( )
3. Virtual reality combines the real world with a virtual world by adding images using computers. ( )
4. Computer connecting to Internet using radio waves via Wi-Fi. ( )
5. Smart gloves empower deaf people to translate their signs in real time spoken or text output. ( )
6. Scareware is a type of malware that pretends to be a virus alert. ( )
7. The Robot Operating System (ROS) is closed source software. ( )
8. Technology can help homebound individuals connect with education providers. ( )
9. HTML is a standard programming language used to create web-pages. ( )
10.  is a tag used to write a bold text in the web-page. ( )

### 2 Choose the correct answer:

1. ..... protects creators and gives them ownership of their.
   a. Copyright b. Plagiarism c. Knowledge d. All of them
2. Electronic games can strain your ..... and cause headaches.
   a. hand b. arm c. eyes d. leg
3. ..... are from services of cloud computing.
   a. Microsoft 365 b. Google c. Both of them d. None of them
4. In stock exchange, stocks are called ..... .
   a. parts b. pieces c. brokers d. shares
5. ..... are from the features that you can use to protect your data from theft.
   a. Passwords b. Copies c. Playing games d. Hackings

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6 ..... are from the disadvantages of electronic games.
a. Physical dangers b. Playing games
c. Entertainment d. None of them

7 The ..... is an example of general database which covers many subject.
a. facial recognition b. EKB
c. Facebook d. google

8 The ..... is a device that connects local area network (LAN) to the Internet.
a. modem b. laptop c. mobile d. HDMI

9 MFA requires at least ..... ways of identity yourself.
a. one b. two c. three d. four

10 ..... includes written, visual, audio, video and web material.
a. Facial recognition b. Copyright
c. Encryption d. None of them

## 5 محافظة الجيزة -إدارة جنوب الجيزة 2025

### 1 Put (✓) or (✗):

1 Artificial intelligence is the ability of a computer to think and learn. ( )
2 Technology can help home bound individual connect with education providers. ( )
3 Cyber security is the protection of system, network, devices and data from cyber attacks. ( )
4 VR read HTML documents and display the content to the HTML tags. ( )
5 Digital tools is used when copying, pasting or cutting information. ( )
6 Multi Factor Authentication requires at least three ways of identifying yourself. ( )
7 Copyright converts data into a code to prevent unauthorized user access. ( )
8 The EKB is an example of a general database. ( )
9 AI is used to unlock your phone with facial recognition. ( )
10 Electronic games help to promote critical and creative thinking. ( )


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11 Microsoft "365" platform provides everything you need. ( )

12 Networks are groups of devices or things that are connected to each other for a common purpose. ( )

## 2 Choose the correct answer:

1 ..... is often a fee-based service.

a. Website browsing b. Data saving
c. Cloud storage d. Data breach

2 Smart gloves empower ..... to translate sign language to spoken.

a. blind people b. deaf people
c. mobility impaired d. all of them

3 The storage application in Microsoft 365 is named ..... .

a. one drive b. fourth drive
c. power drive d. out drive

4 To create a paragraph in the Web page use the tag ..... .

a.<h-> b. <-> c. <font> d.<p>

5 ..... refers to work that has been granted permission to share by the creator.

a. Copyright b. Creative Common
c. Outlook d. Hacking

6 Data ..... converts it into a code to prevent unauthorized user's access.

a. copying b. encryption c. saving d. breach

7 ..... is a type of malware that pretended to be a virus alert.

a. Browser b. Website c. Scareware d. Spoofing

8 The most popular mobile operating system is ..... .

a. Android b. Apple iOS c. both a and b d. Windows

9 ..... is a program uses to make presentation.

a. Excel b. Power point c. Word d. Database

10 ..... helps people search Internet websites.

a. Broker b. Google drive c. Network d. Search engine



CamScanner

11 ..... is a device that connects a local area network to the Internet.

a. Code b. MS Outlook
c. Modem d. One drive

12 ..... is one of the psychological dangers of electronic games.

a. Felling lonely b. Felling comfortable
c. Body pain d. None of them

## 6 محافظة الجيزة -إدارة 6 اكتوبرالتعليمية 2025

### 1 Put (✓) or (✗):

1 To write the largest heading on a web page, we use the <h6><-h6> tag. ( )

2 Apple computers work only on the Microsoft Windows operating system. ( )

3 One of the main goals of assistive technology is to improve a person's independence. ( )

4 Scareware is known as a type of friendly software. ( )

5 Microsoft Windows is the standard programming language used to create web pages. ( )

6 To limit risks in online gaming, use personal information in your username. ( )

7 You can use keywords to search within a database. ( )

8 Multi-factor authentication requires only one method to verify your identity. ( )

### 2 Choose the correct answer:

1 ..... helps send data to a specific device over the network easily.

a. Switches b. Ports c. Wi-Fi d. Mouse

2 ..... is a collection of information, usually stored in a computer system.

a. Printed Book b. Database c. Search Engine d. Paint Program

3 Facial recognition uses ..... low only the user to unlock their device.

a. face b. fingerprint c. password d. voice

CamScanner

4 ..... technology is used to unlock phones using facial recognition.

a. Assistive Technology
b. Artificial intelligence
c. Virtual Reality
d. Transformer

5 ..... includes written, visual, audio, video, and web material.

a. Malware
b. Electronic Financial Trading
c. Copyright
d. Programming Language

6 One of the precautions for online security is ..... .

a. using secure web browsers
b. communicating with people you don't know
c. using weak passwords
d. sharing your personal Information online

7 The ..... tag is used to create a paragraph.

a.<p>  b.<h1>  c.<i>  d. 

8 ..... is an open-source operating system used to develop robotic applications.

a. Microsoft Windows
b. Robot Operating System (ROS)
c. Apple iOS
d. HTML

## 3 Complete the missing parts using the words between the brackets:

(Wi-Fi - Augmented Reality - Virtual Reality - assistive technology - HTML - Problem-solving capability - psychological risks - library catalog)

1 One of the elements of evaluating a good product is ..... :

2 A ..... is a database that includes all the resources and items contained in the library.

3 Programmers use the markup language ..... to create web pages.

4 Headsets are used to interact with ..... technology.

5 ..... technology combines the real world with a virtual world.

6 Too much online gaming causes the ..... of anxiety and depression.

7 Wireless networks are connected using ..... .

8 One of the goals of ..... is to meet the needs of pe... with disabilities.

CamScanner

## 7 محافظة الجيزة -إدارة حدائق اكتوبر التعليمية 2025

### 1 Put (✓) or (✗):

1 Switches are intelligent devices. ( )
2 User experience is always positive. ( )
3 Excessive electronic gaming can lead to headaches. ( )
4 One Drive is complicated and difficult to use. ( )
5 The HTML tag <a> is used to create a hyperlink. ( )
6 Strong password contains at least eight characters. ( )
7 Android is an open source operating system. ( )
8 The EKB is an example of a general search engine. ( )
9 Copy, Cut and Paste are word processing command. ( )
10 Your personal information must be shared through social media. ( )
11 Router works as gateway that connects your device to ISP. ( )
12 There is no difference between augmented reality and virtual reality. ( )

### 2 Choose the correct answer:

1 When you search online, make sure the result you get is ..... .
a. credible b. accurate c. biased d. both a and b

2 Some games promote violence, so this can make some people ..... .
a. calm b. aggressive c. lazy d. stupid

3 MFA requires at least ..... ways of identifying yourself.
a. Two b. three c. eight d. four

4 ..... networks connect devices using Wi-Fi.
a. Wired b. Wireless c. Software d. Both a and b

5 To experience virtual reality, users often wear ..... .
a. 3D glasses b. smart gloves c. AR headset d. VR headset

6 User experience is ..... with product development.
a. unrelated b. opposite c. interlinked d. unnecessary

7 HTML tags have ..... main part.
a. two b. three c. four d. five

CamScanner

8 The software that scans your face using your devices camera is ..... .

a. fingerprint b. password
c. multi factor d. facial recognition

9 If you are exposed to cybersecurity threat, you should ..... it.

a. ignore b. accept c. report d. share

10 In stocks exchange, stocks are called ..... .

a. money b. shares c. bonds d. e - commerce

11 We use ..... to create presentations.

a. Outlook b. Word c. Power Point d. Excel

12 ..... makes the text easy to scan and read in a web page.

a. Image b. Music c. Video d. Subheading

## 8 محافظة الإسكندرية- إدارة شرق التعليمية 2025

### 1 Put (✓) or (✗):

1 Fingerprint authentication will scan your face using your device's camera. ( )

2 One of the disadvantages of cloud computing, it provides a backup for your files. ( )

3 Copy, Paste, and Cut are some of the most commonly used word processing commands. ( )

4 HTML is the standard programming language used to create web pages. ( )

5 Wireless networks are connected by Wi-Fi. ( )

6 Apple iOS is considered as open-source system. ( )

7 Creative Commons refers to work that has been granted permission to share by the creator. ( )

8 From online safety precautions, communication with people you don't know. ( )

9 The Egyptian stock exchange allows citizens to invest in any market sector. ( )

10 A data breach occurs when unauthorized parties gain access to confidential data and information. ( )

CamScanner

## 2 Choose the correct answer:

1 ..... is a platform allows you to store, share, and access files from any device.
a. PowerPoint b. Outlook c. Word d. OneDrive

2 ..... empower(s) deaf people to translate their signs in real time.
a. Bell ball b. Smart gloves
c. Prosthetic leg d. Screen enlargement programs

3 ..... is considered as Physical dangers of over usage of electronic games.
a. Depressed b. Anxious
c. Eye strain d. Promote violence

4 ..... technology helps to imitate sounds by providing them with the tone of a natural human voice.
a. Artificial Intelligence b. Headphones
c. Bluetooth d. Assistive Technology

5 ..... are online applications that provide financial guidance and services.
a. Egyptian Knowledge Bank b. Robo-advisors
c. Copyright d. Financial brokers

6 ..... is a type of malware.
a. Scareware b. Office software
c. Operating systems d. Spoofing

7 ..... is a tag used to make the font bold on a web-page.
a. < h1 > b. < p > c. < font size > d. < Strong >

8 ..... are a collection of information which are typically stored in a computer system.
a. Paper books b. Search engines
c. Databases d. Digital search tools

9 ..... are used to converts the signal from (ISP), which transforms into a digital signal.
a. Modems b. Ports c. Mouses d. Switches

10 ..... is a 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
a. Digital footprint b. Converters
c. Virtual reality d. E-trading provides

CamScanner

## 1 Put (✓) or (✗):

1. Hyper Text Markup Language (HTML) is the standard programming language used to create web pages. ( )
2. The most popular computers OSs are Android, and Apple iOS. ( )
3. Cutting-edge technology is defined as the latest and most advanced version of a service or product. ( )
4. Databases are a collection of information which are typically stored in a computer system and can be accessed, for free, through your school. ( )
5. Psychological dangers like strain your eyes, cause back problems because you stay hunched over while playing. ( )
6. The networks are groups of devices or things that are connected to each other for a common purpose. ( )
7. Augmented reality is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality. ( )
8. The public domain does not require the creator's permission if the creator has been deceased for at least 30 years. ( )
9. MFA requires at least two ways of identifying yourself, usually through passwords, pins, and security codes or personal questions. ( )
10. Cyber criminals pretend to be a business, or a known person, in order to trick you to provide your information, or click on unsafe links. ( )

## 2 Choose the correct answer:

1. Service providers include app OneDrive™ and app Google Drive™ are examples of ..... .
   - a. Google services
   - b. cloud computing
   - c. Windows
   - d. hard drives


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2 ..... can send data to a specific device over a network, which helps to make connections easier and faster.

a. Wi-Fi
b. Router
c. Switches
d. Network

3 ..... is the ability of the computer to think, learn and deduce.

a. Artificial Intelligence
b. Augmented reality.
c. Virtual reality
d. Game

4 ..... helps people of determination, for example, screen magnification software and hearing.

a. User experience
b. Assistive technology
c. Meeting needs
d. Edged

5 ..... is a database which includes all the items owned by a library.

a. Google Docs
b. Search engines
c. A library catalog
d. Book

## 3 Complete the missing parts using the words between the brackets:

(security - three - Stock exchange - facial recognition - operating system)

1 An ..... is the software that manages a computer's functions, such as memory, drives, printers, and other devices.

2 The tags of Hyper Text Markup Language have ..... main parts.

3 Multiplayer games, in particular, can put your ..... at risk if you share too much personal information.

4 The ..... software will scan your face using your device's camera.

5 ..... is a market where buyers and sellers deal in units of company stocks.

CamScanner

## 1 Put (✓) or (✗):

1. Modem can send data to a specific device over a network. ( )
2. User experience doesn't describe how to use the product and interact with. ( )
3. An AR app shows you new furniture will look in your house. ( )
4. There is one way to get a useful search results. ( )
5. Assistive technology like screen reader and screen magnifier. ( )
6. Programming languages are the simple machine language (binary system) only. ( )
7. <font> </font> tag is used to change the font size. ( )
8. It is necessary that you don't accept limits that your parents set play gaming online. ( )
9. Fingerprint authentication is a type of authentication confirming it's you. ( )
10. It is not important to report the threat that you face to trusted person. ( )
11. Work in data libraries such as the EKB is not approved for use. ( )
12. From the advantages of cloud computing is providing Internet connectivity. ( )

## 2 Choose the correct answer:

1. ..... is an open -source software used for building robot application.
   a. ROS b. iOS c. Mac. OS d. Windows
2. You can decide what level of each file you share like ..... .
   a. viewing only b. editing
   c. viewing and editing d. all of them
3. ..... made the process of buying and selling shares more efficient.
   a. Electronic financial trading b. E-mail
   c. Electronic education d. Electronic marker



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4 ..... is someone s invention, creation or idea, that is protected by law from being copied by someone else.

a. Copy right (intellectual property) b. Hacking
c. Creative common d. Electronic learning

5 ..... will scan your face using your device s camera.

a. Finger print authentication b. Facial recognition
c. PIN d. MFA

6 From electronic games psychological dangers that it promote for..... .

a. entertainment b. violence
c. education d. all of them

7 <H1> </H1> tag refers to ..... .

a. Largest head b. subheading
c. smaller subheading d. create paragraph

8 ..... means that a person can't change and read the programming code.

a. Open-source programing b. Close-source programing
c. Both a and b d. None of them

9 You can also search for information from magazines and newspapers through ..... .

a. search engines b. database
c. library catalog d. none of them

10 Through ..... you can visit an ancient historical site thousands of miles away.

a. augmented reality b. artificial technology
c. virtual reality d. all of them

11 From the software that provide cloud computing ..... applications.

a. Microsoft 365 b. Google workspace
c. both a,b d. none of them

12 We use to ..... create a presentation.

a. Microsoft teams b. Word c. Power Point d. Excel



CamScanner

## 11 محافظة الإسكندرية - إدارة المنتزه ثان التعليمية 2025

### 1 Put (✓) or (✗):

1 You can immerse to an ancient historical site and thousand years ago, using Bluetooth. ( )

2 Operating system is a software that manages all computer functions. ( )

3 To repeat a statement in word processing file ch ›py and paste text.( )

4 To write the smallest header in a web-page, use <h6> </h6> tag.( )

5 "Creative Commons" are works that have been granted permission by their creator to be shared. ( )

6 Internet safety precautions include sharing your personal information online. ( )

7 One of the disadvantages of using cloud computing is that there is no need for a constant Internet connection. ( )

### 2 Choose the correct answer:

1 ..... is used to convert signal from ISP to digital signal.

a. Modem b. Wi-Fi c. Switch d. Wi-Fi

2 ..... is from the elements to evaluate a good product.

a. High cost b. Manufacturing country

c. Ability to find solution (findable) d. High cost

3 ..... is a database that contains all the sources and items owned by a library.

a. Library catalog b. Internet c. Search engine d. Internet

4 ..... are online applications that provide financial guidance and services.

a. Robot-advisor b. Stock exchange

c. Intellectual property d. Shares

5 Some electronic games promote violence to some and this is considered as ..... dangers.

a. physical b. environmental

c. psychological d. security

CamScanner

6 ..... require at least two ways to verify your identity.
a. Passwords b. Multi-factor authentications (MFA)
c. Fingerprint authentications d. Passwords

7 ..... is a technology that helps people of determinations to enlargement (zoom) screen, hearing aids, and convert speech to text and text to speech.
a. Traditional technology b. Assistive technology
c. Digital footprint d. Traditional technology

8 Apple iOS is considered as ..... system.
a. open-source b. closed-source
c. nothing of the previous d. open-source

## 12 محافظة الإسكندرية - إدارة العجمي التعليمية 2025

### 1 Put (✓) or (✗):

1 Wireless networks use physical wiring plugged into ports on devices. ( )
2 Disabled people use virtual assistants to navigate their computer. ( )
3 Hearing aids empower deaf people to translate their signs. ( )
4 Any operating system includes features such as magnifiers or screen readers. ( )
5 We use the tag <p> to make bold text. ( )
6 Being bullied online is one of the physical electronic game's dangers. ( )
7 MFA confirm your identity through passwords & pins only. ( )

### 2 Choose the correct answer:

1 ..... is a type of cybersecurity threats pretending to be a virus alert.
a. Spoofing b. Website c. Safety d. Scare ware

2 ..... is a market where buyers & sellers deal in units of company shares.
a. Stock exchange b. E-commerce
c. Online shopping d. Broker

3 Unauthorized parties gain access to confidential data is called ..... .
a. cloud computing b. data breach
c. encryption d. MFA

CamScanner

4 ..... allows you to store & access files from any device.
a. PowerPoint b. Word c. OneDrive d. Excel

5 ..... performs complex tasks that simulate the thinking of human.
a. AI b. Modem c. Switch d. Router

6 Visually impaired people use ..... to see their family up close.
a. augmented reality b. VR c. AI d. switch

7 ..... can help low vision people to differentiate between web-page parts.
a. VR b. camera c. HTML tags d. AR

8 ..... converts the signal from ISP to digital signal.
a. Modem b. AI c. Routers d. HTML

## 13 محافظة القليوبية 2025

### 1 Choose the correct answer:

1 A ..... converts the signal from the Internet service provider into a digital signal.
a. modem b. router
c. switch d. Wi-Fi

2 A product that meets your needs is considered ..... in user experience terms.
a. accessible b. desirable
c. valuable d. non of them

3 You can search for some books in the school Library using ..... .
a. databases b. email
c. user experience d. Power point

4 ..... make the text easy to scan and read in a web page.
a. images b. subheadings
c. Video d. non of them

5 Finger print authentication usually scans your ..... .
a. eye b. finger
c. Face d. leg


CamScanner

6 Smart investors ..... the company before investing in it.

a. research
b. buy
c. invest
d. ignore

7 Remote servers connect users via ..... .

a. LAN
b. the Internet
c. Bluetooth
d. HDMI

8 The storage application in Microsoft 365 is named ..... .

a. One drive
b. Word
c. Excel
d. Outlook

## Put (✓) or (✗):

1 Multi-factor Authentication decreases cloud security. ( )

2 Smart investors invest in the first company they find without doing research. ( )

3 To be safe online, you should use safe web browsers. ( )

4 One Drive is a google work space storage application. ( )

5 Some electronic games can promote violence in players. ( )

6 Apple Computers run on the Windows operating system. ( )

7 Copy, Cut and Paste are word processing commands. ( )

## 14 محافظة الدقهلية 2025

## Put (✓) or (✗):

1 The EKB is an example of a general database. ( )

2 MAC OS is an open source operating system. ( )

3 HTML is the standard programming language used to create web pages. ( )

4 An operating system (OS) is the software that manages a computer's functions. ( )

5 Google is one of cloud computing service provi ( )

CamScanner

## 2 Choose the correct answer:

1 ..... converts the signal from the ISP into a digital signal that can be read by devices.

a. Modem b. Ports c. Switches d. Wi-Fi

2 ..... includes written visual, audio, video, and web material.

a. Programming languages b. Stock exchange

c. Copyrights d. Malware

3 ..... is a type of malware that pretends to be a virus alert.

a. Scareware b. Office program

c. OS d. Spoofing

4 ..... requires at least two ways of identifying yourself.

a. Passwords b. Full encryption

c. Facial recognition d. MFA

5 The ..... tag is used to create a new paragraph.

a.   b. <u> </u> c.   d.  

## 3 Complete the missing parts using the words between the brackets:

**(Databases - Assistive - AR - AI - ROS)**

1 ..... OS is open-source software used for building robot applications.

2 ..... are a collection of information that are typically stored in a computer system.

3 ..... technology helps people of determination, such as a screen magnification software.

4 ..... combines the real world with a virtual world by adding images using computers.

5 ..... works to imitate sounds when provided with the tone of voice of an actual human being.



CamScanner

## 15 محافظة بورسعيد 2025

### 1 Choose the correct answer:

1 ..... is the standard programming language used to create web pages.
a. Microsoft Windows b. Word
c. Android d. HTML

2 Some electronic games generate feelings of aggression in some people, and this is one of the risks ..... .
a. physical b. security c. psychological d. environmental

3 ..... can take you to a historical site hundreds of years ago.
a. Router b. Modem c. Virtual Reality d. Bluetooth

4 ..... converts the signal from Internet service provider (ISP) to digital signal.
a. Modem b. Ports c. Switches d. Wi-Fi

5 Microsoft 365 provides a suite of productivity applications, such as ..... .
a. HTML b. Microsoft Teams
c. the Internet d. viruses

### 2 Put (✓) or (✗):

1 One of the online safety precautions is using anti-virus programs. ( )
2 The stock exchange is defined as a knowledge bank where members exchange their ideas. ( )
3 The Apple operating system "Apple iOS" is an open-source system. ( )
4 The EKB is an example of a public database. ( )
5 Files can be uploaded to OneDrive. ( )

### 3 Complete the missing parts using the words between the brackets:

(Artificial intelligence -   - library catalog - data breach potential - Smartgloves)

1 ..... helps to translate signs of deaf people in real time to spoken.
2 The tag ..... is used to create a paragraph.
3 ..... is used to unlock your phone with facial recognition.

CamScanner

4 One of the disadvantages of using cloud computing is ..... .

5 A ..... is a database that includes all the items and resources owned by library.

## 16 محافظة الغربية - إدارة شرق طنطا التعليمية 2025

### 1 Choose the correct answer:

1 ..... send data to a specific device over a network.

a. Routers b. Ports
c. Switches d. Wi-Fi

2 We use ..... to create presentations.

a. PowerPoint b. Excel
c. Ms Word d. Paint

3 Augmented reality combines the real world with a ..... world.

a. view b. true
c. virtual d. none of them

4 ..... help people to search Internet websites based on the key words and phrases.

a. Search engines b. Windows
c. Excel d. Robots

5 ..... is often a Fee-based service.

a. Data saving b. Cloud storage
c. Data breach d. Search engine

### 2 Put (✓) or (✗):

1 Smart gloves are a type of assistive technology. ( )

2 Android uses closed-source software. ( )

3 MFA stands for Multi-Factor Authentication. ( )

4 Using weak passwords and making it fixed is one of the safety precautions when dealing with the Internet. ( )

5 Copyright includes only written material. ( )



CamScanner

## 3 Complete the missing parts using the words between the brackets:

(Malware – eyes – AI – citizens – HTML)

1. ..... works to imitate sounds when provided with the tone of voice of an actual human being.
2. ..... is the standard programming language used to create web pages.
3. ..... is the greatest cybersecurity threat.
4. Electronic games can strain your ..... and cause headaches.
5. Egypt has introduced the Data' Protection Law to protect its ..... .

## 17 محافظة الشرقية - إدارة ديرب نجم التعليمية 2025

## 1 Put (✓) or (✗):

1. Electronic games help to promote critical and creative thinking. ( )
2. Cloud computing is the on-demand strong, and accessing, of data and programs via remote servers on the Internet. ( )
3. Modem converts the signal from the Internet service provider ISP, which transforms into a digital signal that can be read by devices. ( )
4. Apple computer devices work on Windows operating systems. ( )
5. Virtual Reality (VR) combines a content to the real world. ( )

## 2 Choose the correct answer:

1. ..... refers to work that has been granted permission to share by the creator.
   a. Creative common  b. Copyright
   c. Hacking  d. All of them
2. All the following are weak passwords except ..... .
   a. p@yRoblox4lhour  b. SayedSfadel70
   c. thanks123  d. AlwaysSaythanks
3. ..... is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
   a. Traditional reality  b. Port
   c. Virtual reality  d. Nothing of them

CamScanner

4 Wired networks use physical wiring and cables which are plugged into ..... on devices.

a. ports b. modem c. router d. keys

5 All the following are from the rules, which must be followed to limit gaming dangers except ..... .

a. playing games with people you know and trust
b. not using a webcam
c. not using personal information
d. not resorting to your family

## 3 Complete the missing parts using the words between the brackets:

(Databases - Stock exchange - Programming languages - Hypertext Markup language (HTML) - Cybersecurity - Artificial Intelligence)

1 ..... are the instructions to a computer given in code and have evolved from simple machine language to high-level language and human-like languages.

2 ..... is the standard programming language used to create web pages.

3 ..... is the protection of systems, networks, devices and data from cyber-attacks that they may be exposed to when using ICT application.

4 ..... is a market where buyers and sellers deal in units of company stocks; these stocks are called shares.

5 ..... are collections of information that are typically stored in a computer system, accessed for free through a school or library.

## 18 محافظة الشرقية - إدارة الإبراهيمية التعليمية 2025

## 1 Choose the correct answer:

1 The ..... tag is used to create the largest heading in HTML.

a. <h6> b. <h1>
b. <h2> d. <i>

2 ..... confirms your identity by scanning your thumb.

a. Finger print authentication b. Facial recognition
c. A password d. MFA

CamScanner

3 ..... is the greatest cybersecurity threat.
a. Malware b. Anti-virus
c. Firewall d. encryption

4 To upload a file or folder on one Drive, you should first ..... Microsoft office.
a. download b. sign in
c. share d. log out

5 ..... is/are example of cloud computing.
a. Google Drive b. One Drive
c. Both a and b d. None of them

6 Cloud services are overall ..... safe and secure.
a. moderate b. extremely
c. less d. never

7 The latest version of service or product is called ..... technology.
a. assistive b. cutting-edge
c. virtual d. outdated

## 2 Put (✓) or (✗):

1 The EKB is an example of a general search engine. ( )
2 Electronic games can make some people anxious and depressed. ( )
3 HTML tags have three main parts. ( )
4 You can press "Ctrl + C" to cut text or an image in Windows. ( )
5 Anyone can read and modify the code in closed -source software. ( )
6 Artificial intelligence can imitate the sounds of people. ( )
7 User experience describes how people use and evaluate a product. ( )
8 The ability of the computer to think and learn is called AR. ( )

## 19 محافظة المنوفية – إدارة شبين الكوم التعليمية 2025

## 1 Choose the correct answer:

1 ..... is an example of general database.
a. Word b. The EKB c. Websites d. VR

2 We use the tag ..... to create a paragraph.
a. <p> b. <h1> c. <i> d. 



CamScanner

3 ..... is converting data into code to prevent unauthorized user access.

a. Data breach
b. Data saving
c. Data collection
d. Data encryption

4 ..... is the ability of the computer to think, learn and deduce.

a. AI
b. VR
c. AR
d. None of them

5 ..... refers to work that has been granted permission to share by creator.

a. Copyright
b. Stock exchange
c. Creative commons
d. Online shopping

6 Apple computers run on the ..... operating system.

a. win
b. Android
c. macOS
d. ROS

7 ..... is known as type of malware.

a. Scareware
b. Office software
c. Operating system
d. Spoofing

8 Microsoft 365 provides a set of productivity applications such as ..... .

a. HTML
b. Microsoft teams
c. Internet
d. Viruses

9 ..... empower deaf people to translate their signs in real time to spoken or text output.

a. Hearing aids
b. Scanners
c. Printers
d. Smart gloves

10 From security dangers of electronic games ..... .

a. eye strain
b. anxious
c. gaining weight
d. strangers may access your E-mail

## 2 Put (✓) or (✗):

1 Form the disadvantages of cloud computing is providing a backup for your files. ( )

2 HTML is the standard programming language used to create web pages. ( )



CamScanner

3 Library catalog is a database that includes all items, sources owned by a library. ( )

4 Virtual reality (VR) combines augmented reality (AR) with real world. ( )

5 You cannot upload your files to one drive. ( )

6 Using unsecured Wi-Fi networks exposes you to malware threats. ( )

7 HTML tags have four main parts. ( )

8 Cutting-edge technology is the latest and most advanced version of services and products. ( )

9 Full encryption is not helpful for protects your information. ( )

10 A stock exchange is a market where buyers and sellers deal in units of company stocks. ( )

## 20 محافظة اسيوط 2025

### 1 Put (✓) or (✗):

1 Scareware is known as a type of friendly software. ( )

2 Operating System manages programs and computers. ( )

3 To write the largest header in a web page, use <h6><-h6> tag. ( )

4 Multi-factor authentication (MFA) requires one way only to verify your identity. ( )

5 Works are considered public domain if the creator has been deceased for at least 50 years. ( )

6 Full encryption works to protect your information so that only you can access it. ( )

7 It is an online safety precaution to share your personal information online. ( )

8 Microsoft 365 provides email platforms Excel™. ( )

9 Google is a cloud computing service provider. ( )

10 Data protection law require companies to use strict security standards and principles. ( )

CamScanner

## 2 Choose the correct answer:

1. The ..... platform allows you to store and share your files.
   a. calculator b. painter c. help d. OneDrive
2. Programmers use the ..... to create web pages.
   a. Automotive b. Mac OS c. HTML d. Apple iOS
3. User often wear headset to deal with the technology of ..... .
   a. Scanner b. Digital fingerprint
   c. Piracy d. Virtual reality
4. ..... technology is used to unlock the phone using the face recognition system.
   a. Assistive technology b. Artificial Intelligence
   c. Virtual reality d. Transformers
5. Cables and wires in wired networks are connected to holes called ..... .
   a. Ports b. Wi-Fi c. Switches d. Modem
6. ..... is/are online applications that provide financial guidance and services.
   a. Egyptian Knowledge Bank b. Consulting robots
   c. Stock Exchange d. Financial intermediaries
7. ..... help(s) in sending data to a specific device over the network easily and smoothly.
   a. Switches b. Ports c. Mouse d. Wi-Fi
8. The Internet Service Provider is known by the abbreviation ..... .
   a. GPS b. USB c. ISP d. GPR
9. ..... is the tag that used to create a paragraph.
   a. <p> b. <h1> c. <i> d. 
10. ..... technology improves the lives of people with disabilities.
    a. Assistive b. Old c. Traditional d. complex



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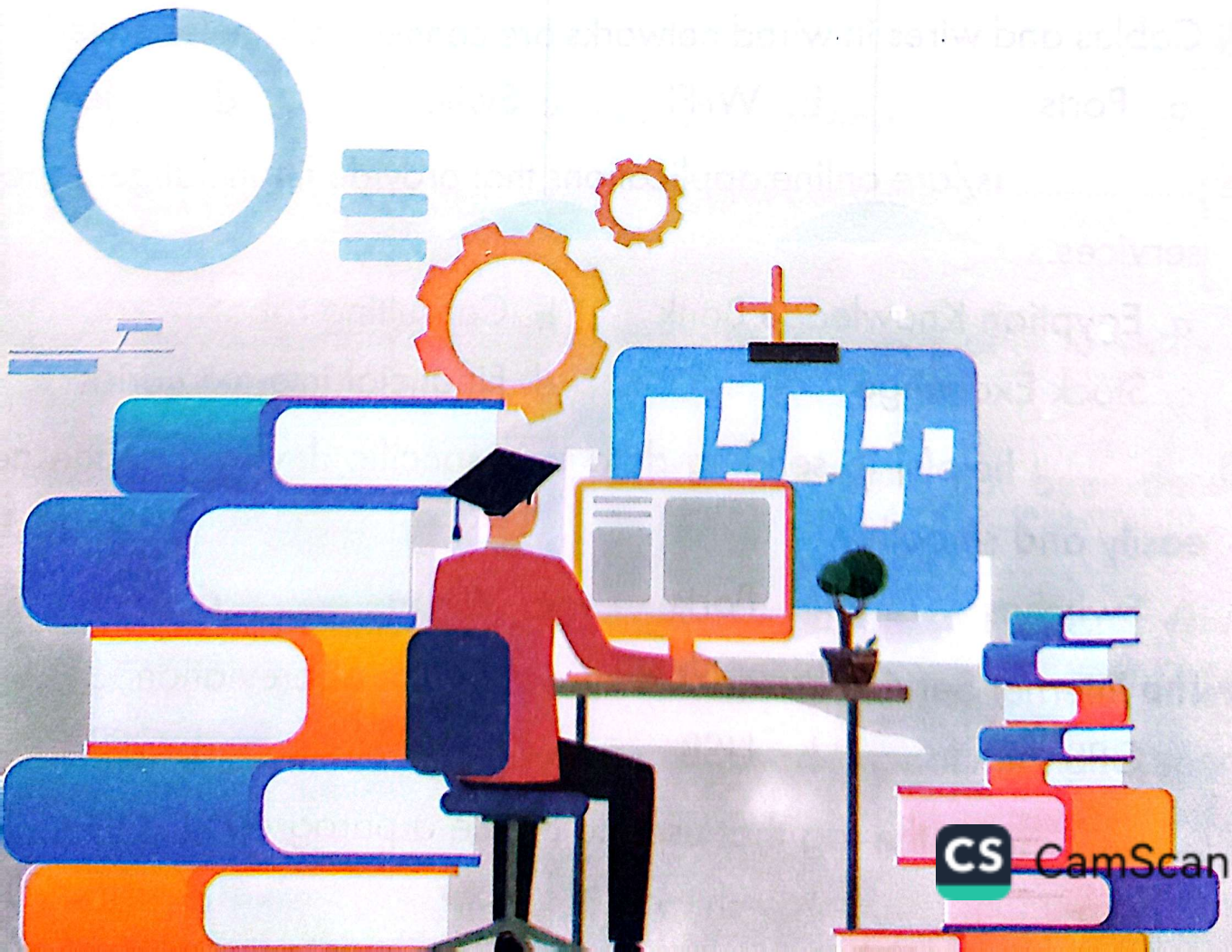
# Model Answers



CamScanner

# Unit 1

## Lesson 1

**1** 1 b 2 b 3 a 4 b
5 c 6 d 7 b 8 d
9 c 10 b 11 a 12 a
13 d 14 a 15 b 16 b
17 d 18 a 19 c

**2** 1 ✗ 2 ✓ 3 ✗ 4 ✗
5 ✓ 6 ✗ 7 ✓ 8 ✓
9 ✓ 10 ✗ 11 ✗ 12 ✓
13 ✓ 14 ✗ 15 ✓

**3** 1 AI 2 specific
3 ports 4 ISP
5 modem

**4** 1 d 2 a 3 e 4 b
5 c

### Play with Pony

1 Modem 2 Router 3 Switch

## Lesson 2

**1** 1 d 2 b 3 a 4 c
5 b 6 d 7 c 8 b
9 d 10 a 11 b 12 b
13 a 14 c 15 d 16 a

**2** 1 ✓ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✓ 7 ✗ 8 ✗
9 ✗ 10 ✓ 11 ✗ 12 ✗
13 ✓ 14 ✓ 15 ✗ 16 ✗
17 ✗ 18 ✓ 19 ✓

**3** 1 d 2 e 3 b 4 c
5 a

### Play with Pony

- Answer by yourself.

## Test Yourself Lessons 1&2

**1** 1 c 2 a 3 d 4 a
5 b 6 c 7 a

**2** 1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✗ 7 ✓ 8 ✗

## Lesson 3

**1** 1 c 2 a 3 c 4 d
5 a 6 b 7 a 8 a
9 a 10 a 11 b

**2** 1 ✓ 2 ✗ 3 ✗ 4 ✓
5 ✗ 6 ✓ 7 ✓ 8 ✓

### Play with Pony

- Answer by yourself.

## Lesson 4

**1** 1 d 2 a 3 c 4 c
5 c 6 c 7 a 8 d
9 c 10 b 11 c

**2** 1 ✓ 2 ✓ 3 ✗ 4 ✗
5 ✓ 6 ✗ 7 ✗ 8 ✓
9 ✗ 10 ✗ 11 ✓ 12 ✓
13 ✗

**3** 1 search engine 2 EKB
3 keywords 4 Databases
5 library catalog

### Play with Pony

- Databases



CamScanner

## Test Yourself Lessons 3&4

1
1 b 2 b 3 b 4 c
5 a 6 c 7 d

2
1 ✓ 2 ✗ 3 ✗ 4 ✓
5 ✓ 6 ✓ 7 ✓ 8 ✓

## Lesson 5

1
1 b 2 c 3 b 4 b
5 a 6 a 7 c 8 a
9 b 10 d 11 b 12 c
13 b

2
1 ✓ 2 ✗ 3 ✗ 4 ✗
5 ✗ 6 ✗ 7 ✗ 8 ✗
9 ✗ 10 ✗ 11 ✗ 12 ✗

3
1 d 2 c 3 e 4 a
5 b

4
1 d 2 a 3 c 4 b

### Play with Pony

- Answer by yourself.

## Lesson 6

1
1 b 2 a 3 b 4 d
5 d 6 a 7 b 8 d
9 a 10 b 11 b 12 c
13 b 14 b 15 c 16 a
17 c 18 a 19 a 20 b
21 c 22 c

2
1 ✗ 2 ✓ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✗ 8 ✓
9 ✗ 10 ✓ 11 ✗ 12 ✓
13 ✗ 14 ✓ 15 ✗

3
1 c 2 e 3 b 4 d
5 a

### Play with Pony

- Answer by yourself.

## Test Yourself Lessons 5&6

1
1 a 2 c 3 c 4 b
5 c 6 c 7 b

2
1 ✗ 2 ✗ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✗ 8 ✓

### Play with Pony

- Answer by yourself.

## October Exam

1
1 b 2 d 3 b 4 b
5 d 6 d 7 a

2
1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✗ 6 ✓ 7 ✗ 8 ✗

### Model Exam 1

1
1 c 2 d 3 c 4 a
5 a

2
1 ✓ 2 ✗ 3 ✗ 4 ✓
5 ✗

3
1 AR 2 virtual reality
3 database 4 Wi-Fi
5 Ctrl + C

### Model Exam 2

1
1 b 2 c 3 c 4 b
5 c



CamScanner

2 1 ✗ 2 ✓ 3 ✓ 4 ✓
5 ✓

3 1 d 2 c 3 a 4 b
5 e

## Model Exam 3

1 1 c 2 d 3 c 4 c
5 b

2 1 ✓ 2 ✗ 3 ✗ 4 ✗
5 ✓

3 1 Assistive technology
2 Switches 3 library catalog
4 Artificial intelligence
5 Advanced technology

## Model Exam 4

1 1 a 2 a 3 a 4 d
5 d

2 1 ✓ 2 ✓ 3 ✓ 4 ✓
5 ✗

3 1 assistive technology
2 Artificial intelligence
3 library catalog
4 Augmented reality 5 HTML

## Model Exam 5

1 1 a 2 b 3 d 4 a
5 b

2 1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓

3 1 c 2 e 3 b 4 d
5 a

# Unit 2

## Lesson 1

1 1 d 2 d 3 d 4 b
5 d 6 b 7 a 8 b
9 a 10 d 11 c 12 c
13 b 14 d 15 b 16 c

2 1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✗ 7 ✓ 8 ✗
9 ✗ 10 ✓ 11 ✗ 12 ✗
13 ✗ 14 ✓ 15 ✓ 16 ✗
17 ✗

3 1 Unknown links 2 Back problems
3 eye dryness 4 aggressive
5 personal information

### Play with Pony

- Answer by yourself.

## Lesson 2

1 1 b 2 b 3 a 4 d
5 b 6 b 7 b 8 d
9 b 10 a 11 b 12 c
13 c 14 d 15 b

2 1 ✓ 2 ✓ 3 ✓ 4 ✓
5 ✓ 6 ✗ 7 ✗ 8 ✗
9 ✓ 10 ✗ 11 ✓ 12 ✓
13 ✗ 14 ✓ 15 ✗

3 1 e 2 c 3 a 4 b
5 d

### Play with Pony

- Answer by yourself.



CamScanner

## Test Yourself Lessons 1&2

1
1 b 2 b 3 a 4 c
5 c 6 b 7 b

2
1 ✗ 2 ✓ 3 ✗ 4 ✗
5 ✓ 6 ✓ 7 ✗ 8 ✗

## November Exam

1
1 b 2 b 3 c 4 b
5 b 6 d 7 d

2
1 ✓ 2 ✓ 3 ✓ 4 ✓
5 ✓ 6 ✓ 7 ✓ 8 ✓

## Lesson 3

1
1 c 2 c 3 d 4 b
5 a 6 b 7 b 8 c
9 b 10 c 11 c 12 a
13 d 14 b 15 a

2
1 ✓ 2 ✗ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✓ 8 ✗
9 ✗ 10 ✗ 11 ✗ 12 ✓
13 ✗ 14 ✓ 15 ✗

### Play with Pony

- Answer by yourself.

## Lesson 4

1
1 a 2 d 3 b 4 b
5 b 6 b 7 b 8 a
9 c 10 11 b 12 c
13 b 14 a

2
1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✓ 7 ✗ 8 ✓
9 ✗ 10 ✓ 11 ✗ 12 ✗
13 ✗ 14 ✓ 15 ✓

3
1 c 2 a 3 e 4 b
5 d

### Play with Pony

- Answer by yourself.

## Test Yourself Lessons 3&4

1
1 a 2 b 3 b 4 c
5 b 6 a 7 a

2
1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✓ 7 ✗ 8 ✗

## Lesson 5

1
1 c 2 d 3 b 4 b
5 d 6 a 7 c 8 b
9 a 10 a 11 d 12 d
13 a 14 c 15 d

2
1 ✓ 2 ✗ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✓ 8 ✗
9 ✗ 10 ✓ 11 ✓ 12 ✓
13 ✗ 14 ✗

3
1 c 2 a 3 e 4 b
5 d

### Play with Pony

- Pros: 1 – 3 – 4 – 7 – 8
- Cons: 2 – 5 – 6



CamScanner

## Lesson 6

1 1 a 2 d 3 b 4 d
5 d 6 c 7 a 8 c
9 d 10 c 11 a 12 c
13 d 14 b 15 d 16 d
17 b

2 1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✗ 6 ✓ 7 ✗ 8 ✓
9 ✗ 10 ✗ 11 ✓

### Play with Pony

- Answer by yourself.

## Test Yourself Lessons 5&6

1 1 c 2 d 3 b 4 d
5 b 6 d 7 c

2 1 ✓ 2 ✓ 3 ✗ 4 ✗
5 ✗ 6 ✓ 7 ✓ 8 ✗

### Play with Pony

- Answer by yourself.

## Model Exam 1

1 1 d 2 c 3 c 4 a
5 a 6 a 7 b

2 1 ✓ 2 ✓ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✓ 8 ✓

## Model Exam 2

1 1 d 2 d 3 b 4 c
5 c 6 b 7 b

2 1 ✓ 2 ✓ 3 ✓ 4 ✓
5 ✗ 6 ✓ 7 ✗ 8 ✓

## Model Exam 3

1 1 d 2 c 3 c 4 a
5 c 6 b 7 b 8 b

2 1 ✗ 2 ✓ 3 ✓ 4 ✓
5 ✓ 6 ✗ 7 ✗

## Model Exam 4

1 1 c 2 a 3 a 4 b
5 c 6 d 7 c

2 1 ✓ 2 ✓ 3 ✗ 4 ✓
5 ✓ 6 ✗ 7 ✗ 8 ✓

## Model Exam 5

1 1 d 2 c 3 a 4 c
5 c 6 c 7 b

2 1 ✗ 2 ✓ 3 ✗ 4 ✓
5 ✗ 6 ✗ 7 ✗ 8 ✓

# Model Exams Answers

## 1 محافظة القاهرة - ادارة الزيتون التعليمية 2025

1 1 ✗ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✓ 7 ✗ 8 ✓
9 ✓ 10 ✗

2 1 a 2 a 3 a
4 a 5 b

## 2 محافظة القاهرة - ادارة غمرة التعليمية 2025

1 1 ✓ 2 ✗ 3 ✓
4 ✗ 5 ✓

2 1 a 2 b 3 d
4 d 5 c

3 1 OneDrive 2 two
3 Malware 4 ISP
5 Virtual reality

## 3 محافظة الجيزة - ادارة الدقي التعليمية 2025

1 1 ✓ 2 ✗ 3 ✓ 4 ✗

CamScanner

5 ✓ 6 ✗ 7 ✓ 8 ✓

**2**

1 b 2 c 3 a
4 c 5 a 6 a

**3**

1 Google 2 Feeling lonely
3 modem 4 Facial recognition
5 Malware 6 HTML

## 4 محافظة الجيزة - إدارة العمرانية التعليمية 2025

**1**

1 ✗ 2 ✓ 3 ✗ 4 ✓
5 ✓ 6 ✓ 7 ✗ 8 ✓
9 ✓ 10 ✓

**2**

1 a 2 c 3 c 4 d
5 a 6 a 7 b 8 a
9 b 10 b

## 5 محافظة الجيزة - إدارة جنوب الجيزة التعليمية 2025

**1**

1 ✓ 2 ✓ 3 ✓ 4 ✗
5 ✓ 6 ✗ 7 ✗ 8 ✓
9 ✓ 10 ✓ 11 ✓ 12 ✓

**2**

1 c 2 b 3 a 4 d
5 b 6 b 7 c 8 c
9 b 10 d 11 c 12 a

## 6 محافظة الجيزة - إدارة 6 أكتوبر التعليمية 2025

**1**

1 ✗ 2 ✗ 3 ✓ 4 ✗
5 ✗ 6 ✗ 7 ✓ 8 ✗

**2**

1 a 2 b 3 a 4 b
5 c 6 a 7 a 8 b

**3**

1 Problem-solving capability
2 library catalog
3 HTML 4 Virtual Reality
5 Augmented Reality
6 psychological risks
7 Wi-Fi
8 assistive technology

## 7 محافظة الجيزة - إدارة حدائق أكتوبر التعليمية 2025

**1**

1 ✓ 2 ✗ 3 ✓ 4 ✗
5 ✓ 6 ✓ 7 ✓ 8 ✓
9 ✓ 10 ✗ 11 ✓ 12 ✗

**2**

1 d 2 b 3 a 4 b
5 d 6 c 7 b 8 d
9 c 10 b 11 c 12 d

## 8 محافظة الإسكندرية - إدارة شرق التعليمية 2025

**1**

1 ✗ 2 ✗ 3 ✓ 4 ✓
5 ✓ 6 ✗ 7 ✓ 8 ✗
9 ✓ 10 ✓

**2**

1 d 2 b 3 c 4 a
5 b 6 a 7 d 8 c
9 a 10 c

## 9 محافظة الإسكندرية - إدارة وسط التعليمية 2025

**1**

1 ✓ 2 ✗ 3 ✓ 4 ✓
5 ✗ 6 ✓ 7 ✗ 8 ✗
9 ✓ 10 ✓

**2**

1 b 2 c 3 a
4 b 5 c

**3**

1 operating system
2 three 3 security
4 facial recognition
5 Stock exchange

## 10 محافظة الإسكندرية - إدارة المنتزة أول التعليمية 2025

**1**

1 ✗ 2 ✗ 3 ✓ 4 ✗
5 ✓ 6 ✗ 7 ✓ 8 ✗
9 ✓ 10 ✗ 11 ✗ 12 ✗

CamScanner

2 1 a 2 d 3 a 4 a
5 b 6 b 7 a 8 b
9 b 10 c 11 c 12 c

## 11 محافظة الإسكندرية - ادارة المنتزة تان التعليمية 2025

1 1 ✗ 2 ✓ 3 ✓ 4 ✓
5 ✓ 6 ✗ 7 ✗

2 1 a 2 c 3 a 4 a
5 c 6 b 7 b 8 b

## 12 محافظة الإسكندرية - إدارة العجمي التعليمية 2025

1 1 ✗ 2 ✓ 3 ✗ 4 ✓
5 ✗ 6 ✗ 7 ✗

2 1 d 2 a 3 b 4 c
5 a 6 a 7 c 8 a

## 13 محافظة القليوبية 2025

1 1 a 2 b 3 a 4 b
5 b 6 a 7 b 8 a

2 1 ✗ 2 ✗ 3 ✓ 4 ✗
5 ✓ 6 ✗ 7 ✓

## 14 محافظة الدقهلية 2025

1 1 ✓ 2 ✗ 3 ✓
4 ✓ 5 ✓

2 1 a 2 c 3 a
4 d 5 d

3 1 ROS 2 Databases
3 Assistive 4 AR
5 AI

## 15 محافظة بورسعيد 2025

1 1 d 2 c 3 c
4 a 5 b

2 1 ✓ 2 ✗ 3 ✗
4 ✓ 5 ✓

3 1 Smartgloves
2  
3 Artificial intelligence
4 data breach
5 library catalog

## 16 محافظة الغربية - إدارة شرق طنطا 2025

1 1 c 2 a 3 c
4 a 5 b

2 1 ✓ 2 ✗ 3 ✓
4 ✗ 5 ✗

3 1 AI 2 HTML
3 Malware 4 eyes
5 citizens

## 17 محافظة الشرقية - إدارة ديرب نجم 2025

1 1 ✓ 2 ✓ 3 ✓
4 ✗ 5 ✗

2 1 a 2 a 3 c
4 a 5 d

3 1 Programming languages
2 HTML
3 Cybersecurity
4 Stock exchange
5 Databases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## 18 محافظة الشرقية - إدارة الابراهيمية 2025

**1**

1 b 2 a 3 a 4 b

5 c 6 b 7 b

**2**

1 ✗ 2 ✓ 3 ✓ 4 ✗

5 ✗ 6 ✓ 7 ✓ 8 ✗

## 19 محافظة المنوفية - إدارة شبين الكوم 2025

**1**

1 b 2 a 3 d 4 a

5 c 6 c 7 a 8 b

9 d 10 d

**2**

1 ✗ 2 ✓ 3 ✓ 4 ✗

5 ✗ 6 ✓ 7 ✗ 8 ✓

9 ✗ 10 ✓

## 20 محافظة اسيوط 2025

**1**

1 ✗ 2 ✓ 3 ✗ 4 ✗

5 ✓ 6 ✓ 7 ✗ 8 ✗

9 ✓ 10 ✓

**2**

1 d 2 c 3 d 4 b

5 a 6 b 7 a 8 c

9 a 10 a



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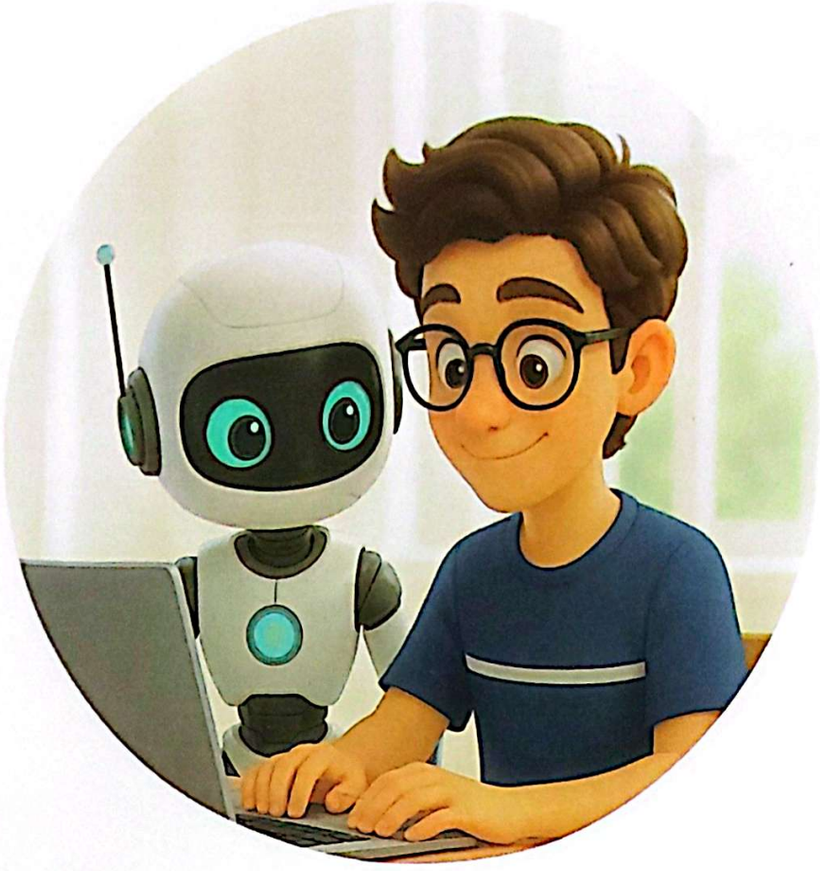
PONY

سلسلة كتب الأستاذ



# ICT

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